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Summary of Results for Experiment 3.1.1

	Random Forest Classifier			**Logistic Regression Classifier**			**Support Vector Machine**			**Gaussian Naive Bayes**		
	Mean	Standard Deviation	T Test Significance (Female to Male)	Mean	Standard Deviation	T Test Significance (Female to Male)	Mean	Standard Deviation	T Test Significance (Female to Male)	Mean	Standard Deviation	T Test Significance (Female to Male)
All Accuracy	78.17	2.36		71.31	2.37		79.40	2.50		71.53	2.61	
All FScore	76.57	2.86		68.18	2.88		79.29	2.91		64.18	3.65	
All ROC_AUC	78.25%	2.30%		71.42%	2.28%		79.44%	2.47%		71.49%	2.33%	
All Precision	82.65%	3.69%		77.04%	3.98%		80.46%	3.95%		85.98%	4.12%	
All Recall	71.58%	4.69%		61.37%	4.19%		78.59%	6.01%		51.37%	4.36%	
Females Accuracy	76.06	4.40	0.00	73.33	3.95	0.01	81.55	4.80	0.02	73.45	4.57	0.02
Females FScore	64.09	7.50	0.00	55.24	7.28	0.00	76.03	7.18	0.00	51.11	7.93	0.00
Females ROC_AUC	72.55%	4.76%	0.00	68.04%	3.91%	0.00	80.91%	5.46%	0.08	66.66%	3.91%	0.00
Females Precision	78.52%	10.63%	0.00	81.31%	11.31%	0.00	78.01%	9.48%	0.00	88.66%	8.11%	0.05
Females Recall	55.27%	9.49%	0.00	42.70%	7.85%	0.00	76.68%	13.47%	0.04	36.37%	7.58%	0.00
Females FNR	44.73	9.49	0.00	57.30	7.85	0.00	23.32	13.47	0.08	63.63	7.58	0.00
Females TNR	89.84	5.69	0.00	93.38	4.64	0.00	85.13	7.89	0.00	96.95	2.26	0.00
Females FPR	10.16	5.69	0.00	6.62	4.64	0.00	14.87	7.89	0.00	3.05	2.26	0.00
Females TPR	55.27	9.49	0.00	42.70	7.85	0.00	76.68	13.47	0.04	36.37	7.58	0.00
Males Accuracy	79.02	2.81		70.49	2.74		78.57	2.85		70.74	3.08	
Males FScore	79.72	2.98		71.11	3.14		80.17	2.94		67.30	3.90	
Males ROC_AUC	79.36%	2.71%		70.97%	2.71%		78.50%	2.92%		72.20%	2.79%	
Males Precision	83.76%	3.75%		76.44%	4.52%		81.42%	4.09%		85.53%	4.25%	
Males Recall	76.29%	4.82%		66.76%	4.80%		79.26%	5.04%		55.68%	4.83%	
Males FNR	23.71	4.82		33.24	4.80		20.74	5.04		44.32	4.83	
Males TNR	82.42	3.99		75.18	4.77		77.73	5.85		88.71	3.66	
Males FPR	17.58	3.99		24.82	4.77		22.27	5.85		11.29	3.66	
Males TPR	76.29	4.82		66.76	4.80		79.26	5.04		55.68	4.83	
	Random Forest Results			**Logistic Regression Results**			**Support Vector Machine Results**			**Gaussian Naive Bayes Results**		
Sex Performance Disparities (Male Mean - Female Mean, n=100)	Sex Performance Disparities (Male Mean - Female Mean, n=100)		**T Test P Value**	Sex Performance Disparities (Male Mean - Female Mean, n=100)		**T Test P Value**	Sex Performance Disparities (Male Mean - Female Mean, n=100)		**T Test P Value**	Sex Performance Disparities (Male Mean - Female Mean, n=100)		**T Test P Value**
Accuacy	2.96		0.00	-2.85		0.01	-2.98		0.02	-2.72		0.02
FScore	15.63		0.00	15.86		0.00	4.14		0.00	16.19		0.00
ROC_AUC	6.80%		0.00	2.93%		0.00	-2.41%		0.08	5.53%		0.00
Precision	5.25%		0.00	-4.87%		0.00	3.41%		0.00	-3.13%		0.05
Recall	21.02%		0.00	24.07%		0.00	2.58%		0.04	19.31%		0.00
False Negative Rate	-21.02		0.00	-24.07		0.00	-2.58		0.08	-19.31		0.00
True Negative Rate	-7.42		0.00	-18.20		0.00	-7.40		0.00	-8.24		0.00
False Positive Rate	7.42		0.00	18.20		0.00	7.40		0.00	8.24		0.00
True Positive Rate	21.02		0.00	24.07		0.00	2.58		0.04	19.31		0.00

Experiment 3.1.1 (Unbalanced training data, no feature selection) - Random Forest Classifier

		UB_Accuracy	UB_FScore	UB_ROC_AUC	UB_Precision	UB_Recall
0		78.0	73.93364928909950	0.7722523219814240	0.8041237113402060	0.6842105263157900
1		78.0	75.55555555555550	0.777218782249742	0.7657657657657660	0.7456140350877190
2		79.2	77.39130434782610	0.7953744634505730	0.8811881188118810	0.689922480620155
3		77.2	74.88986784140970	0.7702356557377050	0.8095238095238100	0.6967213114754100
4		76.4	75.31380753138080	0.7669871794871800	0.8256880733944960	0.6923076923076920
5		79.60000000000000	77.33333333333330	0.792910447761194	0.7981651376146790	0.75
6		76.8	75.0	0.7680000000000000	0.8130841121495330	0.696
7		79.60000000000000	79.01234567901240	0.8010731958100380	0.8727272727272730	0.7218045112781950
8		76.4	73.77777777777780	0.7625952243774410	0.8137254901960780	0.6747967479674800
9		76.4	73.54260089686100	0.768242680504837	0.8723404255319150	0.6356589147286820
10		78.8	77.25321888412020	0.7871135010562700	0.8181818181818180	0.7317073170731710
11		80.0	77.47747747747750	0.796062789500772	0.8113207547169810	0.7413793103448280
12		78.0	76.98744769874480	0.7809039114013190	0.8214285714285710	0.7244094488188980
13		78.4	77.50000000000000	0.7854123975409840	0.8303571428571430	0.7265625
14		81.6	79.82456140350880	0.8136506511001350	0.8348623853211010	0.7647058823529410
15		79.60000000000000	78.66108786610880	0.7956989247311830	0.8173913043478260	0.7580645161290320
16		78.0	74.17840375586860	0.7761904761904760	0.7314814814814820	0.7523809523809520
17		82.40000000000000	82.11382113821140	0.8274910118130460	0.8859649122807020	0.7651515151515150
18		78.0	75.33632286995520	0.7762675920570660	0.7924528301886790	0.717948717948718
19		79.60000000000000	79.6812749003984	0.8018575851393190	0.8695652173913040	0.7352941176470590
20		77.60000000000000	75.86206896551720	0.7801282051282050	0.8627450980392160	0.676923076923077
21		76.4	74.67811158798280	0.7669613684412840	0.8365384615384620	0.6744186046511630
22		76.4	74.8936170212766	0.7658811475409840	0.822429906542056	0.6875
23		77.60000000000000	75.65217391304350	0.7843326264378900	0.8969072164948450	0.6541353383458650
24		79.2	79.6875	0.7993389072525760	0.8717948717948720	0.7338129496402880
25		76.4	74.45887445887450	0.7654119454580370	0.8269230769230770	0.6771653543307090
26		75.2	73.72881355932200	0.7586916007968640	0.8446601941747570	0.6541353383458650
27		76.0	75.60975609756100	0.7641539746802900	0.8230088495575220	0.6992481203007520
28		78.8	75.79908675799090	0.7870583717357910	0.8736842105263160	0.6693548387096770
29		77.2	75.32467532467530	0.7742699795081970	0.8446601941747570	0.6796875
30		80.0	78.44827586206900	0.8000000000000000	0.8504672897196260	0.728
31		83.2	82.20338983050850	0.8311347336065570	0.8508771929824560	0.7950819672131150
32		82.0	81.78137651821860	0.8204020229178670	0.8416666666666670	0.7952755905511810
33		78.0	76.79324894514770	0.7843030341907760	0.8584905660377360	0.6946564885496180
34		79.60000000000000	78.83817427385890	0.7987179487179490	0.8558558558558560	0.7307692307692310
35		80.4	77.62557077625570	0.8001490699332430	0.7870370370370370	0.7657657657657660
36		78.4	78.22580645161290	0.7920676958852790	0.8738738738738740	0.708029197080292
37		81.2	80.65843621399180	0.813140368852459	0.8521739130434780	0.765625
38		72.40000000000000	70.12987012987010	0.7262423155737710	0.7864077669902910	0.6328125
39		74.8	69.26829268292680	0.7370860068701800	0.7553191489361700	0.6396396396396400
40		78.8	77.82426778242680	0.7880000000000000	0.8157894736842110	0.744
41		78.4	75.45454545454550	0.7794762641898870	0.7830188679245280	0.7280701754385970
42		77.60000000000000	77.60000000000000	0.7777920328436720	0.8151260504201680	0.7404580152671760
43		76.8	75.2136752136752	0.766737138830162	0.7787610619469030	0.7272727272727270
44		77.2	76.5432098765432	0.7717725409836070	0.768595041322314	0.7622950819672130
45		79.2	76.78571428571430	0.7912186379928320	0.86	0.6935483870967740
46		78.4	77.5	0.7897950003213160	0.8691588785046730	0.6992481203007520
47		78.4	77.8688524590164	0.7838581669226830	0.7916666666666670	0.7661290322580650
48		80.4	79.49790794979080	0.804	0.8333333333333330	0.76
49		81.6	79.46428571428570	0.8127251672671130	0.8240740740740740	0.7672413793103450
50		81.6	80.67226890756300	0.8155750849958300	0.8067226890756300	0.8067226890756300
51		73.6	69.44444444444450	0.7349590373783920	0.8152173913043480	0.6048387096774190
52		72.8	70.43478260869570	0.7323717948717950	0.81	0.6230769230769230
53		73.6	72.03389830508480	0.7370846936815830	0.7798165137614680	0.6692913385826770
54		77.2	75.74468085106380	0.7725294418842810	0.8165137614678900	0.7063492063492060
55		84.0	81.81818181818180	0.8357432041642570	0.8737864077669900	0.7692307692307690
56		78.8	78.18930041152260	0.7903846153846160	0.8407079646017700	0.7307692307692310
57		81.2	80.65843621399180	0.811935421871997	0.8032786885245900	0.8099173553719010
58		78.8	78.71485943775100	0.7945046439628480	0.8672566371681420	0.7205882352941180
59		74.4	73.10924369747900	0.7471153846153850	0.8055555555555560	0.6692307692307690
60		78.0	76.98744769874480	0.7915186357470450	0.9019607843137260	0.6715328467153280
61		76.0	72.47706422018350	0.7560897435897440	0.8061224489795920	0.6583333333333330
62		80.0	75.72815533980580	0.790422278612792	0.8041237113402060	0.7155963302752290
63		79.2	77.58620689655170	0.7914746543778800	0.8333333333333330	0.7258064516129030
64		79.2	78.33333333333330	0.7957534158701650	0.8623853211009180	0.7175572519083970
65		79.60000000000000	79.01234567901240	0.7957557134626470	0.8	0.7804878048780490
66		76.8	75.42372881355930	0.768	0.8018018018018020	0.712
67		78.0	73.93364928909950	0.7721400426329050	0.7959183673469390	0.6902654867256640
68		78.0	76.98744769874480	0.7849255264509500	0.8598130841121500	0.696969696969697
69		76.0	72.72727272727270	0.7610087045570920	0.851063829787234	0.6349206349206350
70		72.8	71.42857142857140	0.7319905061261150	0.794392523364486	0.648854961832061
71		75.2	73.72881355932200	0.7545646742264080	0.8130841121495330	0.6744186046511630
72		76.4	75.10548523206750	0.7636328725038400	0.7876106194690270	0.717741935483871
73		78.4	76.31578947368420	0.7888495807127880	0.7131147540983610	0.8207547169811320
74		82.8	82.5910931174089	0.8312788906009240	0.8869565217391300	0.7727272727272730
75		80.4	78.02690582959640	0.8009615384615390	0.8446601941747570	0.725
76		76.8	75.63025210084030	0.7690821256038650	0.7317073170731710	0.782608695652174
77		77.60000000000000	75.65217391304350	0.7739431650522800	0.7837837837837840	0.7310924369747900
78		77.60000000000000	76.66666666666670	0.7817620975515710	0.8598130841121500	0.6917293233082710
79		74.0	74.1035856573705	0.7489467885151340	0.8303571428571430	0.6690647482014390
80		78.4	77.11864406779660	0.7875	0.8584905660377360	0.7
81		78.0	76.79324894514770	0.7800000000000000	0.8125	0.728
82		76.0	73.45132743362830	0.76	0.8217821782178220	0.664
83		76.8	76.42276422764230	0.7713148433487420	0.8245614035087720	0.7121212121212120
84		76.0	76.37795275590550	0.7628023674729800	0.8083333333333330	0.7238805970149250
85		81.2	78.13953488372090	0.8066897791474060	0.865979381443299	0.711864406779661
86		78.8	75.34883720930230	0.7819737519300050	0.8181818181818180	0.6982758620689660
87		80.80000000000000	78.57142857142860	0.805968237704918	0.8627450980392160	0.7213114754098360
88		78.4	76.92307692307690	0.7840000000000000	0.8256880733944960	0.72
89		78.0	77.17842323651450	0.7826923076923080	0.8378378378378380	0.7153846153846150
90		75.2	73.50427350427350	0.7635448916408670	0.8775510204081630	0.6323529411764710
91		79.2	77.58620689655170	0.7910505089302860	0.8256880733944960	0.7317073170731710
92		77.60000000000000	76.27118644067800	0.7794871794871800	0.8490566037735850	0.6923076923076920
93		80.80000000000000	80.16528925619840	0.8083077316948280	0.8362068965517240	0.7698412698412700
94		78.8	77.63713080168780	0.7871420334422450	0.7931034482758620	0.7603305785123970
95		76.4	75.31380753138080	0.7636968766001020	0.782608695652174	0.7258064516129030
96		77.2	75.9493670886076	0.7711256326478310	0.7758620689655170	0.743801652892562
97		75.6	71.889400921659	0.7583061263683500	0.8666666666666670	0.6141732283464570
98		82.40000000000000	82.67716535433070	0.8256933744221880	0.860655737704918	0.7954545454545450
99		82.8	82.73092369477910	0.8280849974398360	0.8373983739837400	0.8174603174603170
	Mean	**78.2**	**76.57499511468320**	**78.2540699822069000%**	**82.6461387935722000%**	**71.5804918406232000%**
	Standard Deviation	2.4	2.86283545620196	2.2954922939273300%	3.6868346173970900%	4.6866717022699400%
	T Test Significance (Female to Male)					

		UB_F_Accuracy	UB_F_FScore	UB_F_ROC_AUC	UB_F_Precision	UB_F_Recall	UB_F_FNR	UB_F_TNR	UB_F_FPR	UB_F_TPR
0		78.57142857142860	65.38461538461540	0.737037037037037	0.7727272727272730	0.5666666666666670	43.333333333333300	90.74074074074080	9.25925925925926	56.666666666666700
1		87.14285714285710	79.06976744186050	0.8376503237742830	0.85	0.7391304347826090	26.08695652173910	93.61702127659580	6.382978723404260	73.91304347826090
2		75.80645161290320	59.45945945945950	0.7028508771929820	0.8461538461538460	0.4583333333333330	54.166666666666700	94.73684210526320	5.263157894736840	45.83333333333330
3		75.0	57.77777777777780	0.6922230374174620	0.8125	0.4482758620689660	55.172413793103400	93.61702127659580	6.382978723404260	44.827586206896600
4		78.37837837837840	65.21739130434780	0.7419354838709680	1.0	0.4838709677419360	51.61290322580650	100.0	0.0	48.38709677419360
5		77.02702702702700	60.465116279069800	0.7185314685314680	0.6190476190476190	0.5909090909090910	40.909090909090900	84.61538461538460	15.384615384615400	59.09090909090910
6		77.14285714285720	55.55555555555560	0.6856060606060610	0.7142857142857140	0.4545454545454550	54.54545454545450	91.66666666666670	8.333333333333330	45.45454545454550
7		71.23287671232880	58.82352941176470	0.694947209653092	0.8823529411764710	0.4411764705882350	55.88235294117650	94.87179487179490	5.128205128205130	44.11764705882350
8		73.07692307692310	57.14285714285710	0.6801548205489090	0.7	0.4827586206896550	51.724137931034500	87.75510204081630	12.244897959183700	48.275862068965500
9		71.01449275362320	58.33333333333330	0.6982323232323230	0.9333333333333330	0.4242424242424240	57.57575757575760	97.22222222222220	2.7777777777777800	42.42424242424240
10		75.67567567567570	65.38461538461540	0.7265151515151520	0.7727272727272730	0.5666666666666670	43.333333333333300	88.63636363636360	11.363636363636400	56.666666666666700
11		82.43243243243240	72.3404255319149	0.7889795918367350	0.7727272727272730	0.68	32.0	89.79591836734690	10.204081632653100	68.0
12		80.26315789473690	72.72727272727270	0.7789855072463770	0.8	0.6666666666666670	33.33333333333330	89.13043478260870	10.869565217391300	66.66666666666670
13		74.64788732394370	57.14285714285710	0.6856521739130440	0.7058823529411770	0.48	52.0	89.13043478260870	10.869565217391300	48.0
14		80.55555555555560	70.83333333333330	0.7741935483870970	1.0	0.5483870967741940	45.16129032258060	100.0	0.0	54.83870967741940
15		77.21518987341770	70.0	0.7532679738562090	0.8076923076923080	0.6176470588235290	38.23529411764710	88.88888888888890	11.11111111111110	61.76470588235290
16		68.0	58.620689655172400	0.6626686656671660	0.5862068965517240	0.5862068965517240	41.37931034482760	73.91304347826090	26.08695652173910	58.620689655172400
17		80.0	68.42105263157900	0.755581686251470	0.8666666666666670	0.5652173913043480	43.47826086956520	94.5945945945946	5.405405405405410	56.52173913043480
18		77.41935483870970	56.25	0.6903304773561810	0.6923076923076920	0.4736842105263160	52.63157894736840	90.69767441860470	9.30232558139535	47.368421052631600
19		77.14285714285720	63.63636363636360	0.7237762237762240	0.7777777777777780	0.5384615384615380	46.15384615384620	90.9090909090909	9.090909090909090	53.84615384615390
20		75.0	63.82978723404260	0.7178571428571430	0.7894736842105260	0.5357142857142860	46.42857142857140	90.0	10.0	53.57142857142860
21		77.77777777777780	63.1578947368421	0.7243589743589740	0.8571428571428570	0.5	50.0	94.87179487179490	5.128205128205130	50.0
22		79.71014492753620	70.83333333333330	0.76698606271777	0.85	0.6071428571428570	39.285714285714300	92.6829268292683	7.317073170731710	60.71428571428570
23		76.71232876712330	63.82978723404260	0.7234126984126980	0.7894736842105260	0.5357142857142860	46.42857142857140	91.11111111111110	8.88888888888889	53.57142857142860
24		73.97260273972600	65.45454545454550	0.7227272727272730	0.8181818181818180	0.5454545454545450	45.45454545454550	90.0	10.0	54.54545454545450
25		77.14285714285720	68.0	0.7485525227460710	0.8947368421052630	0.5483870967741940	45.16129032258060	94.87179487179490	5.128205128205130	54.83870967741940
26		71.05263157894740	50.0	0.6507246376811590	0.7857142857142860	0.3666666666666670	63.33333333333330	93.47826086956520	6.521739130434780	36.666666666666700
27		73.01587301587300	62.22222222222220	0.7037037037037040	0.7777777777777780	0.5185185185185190	48.148148148148100	88.88888888888890	11.11111111111110	51.85185185185190
28		82.89473684210530	74.50980392156860	0.7949275362318840	0.9047619047619050	0.6333333333333330	36.666666666666700	95.65217391304350	4.3478260869565200	63.33333333333330
29		74.64788732394370	60.8695652173913	0.7025641025641030	0.7	0.5384615384615380	46.15384615384620	86.66666666666670	13.333333333333300	53.84615384615390
30		81.08108108108110	66.66666666666670	0.7483974358974360	0.875	0.5384615384615380	46.15384615384620	95.83333333333330	4.166666666666670	53.84615384615390
31		84.93150684931510	75.55555555555560	0.8087500000000000	0.85	0.68	32.0	93.75	6.25	68.0
32		81.03448275862070	70.27027027027030	0.7676767676767680	0.8666666666666670	0.5909090909090910	40.909090909090900	94.44444444444440	5.555555555555560	59.09090909090910
33		76.81159420289860	68.0	0.7431034482758620	0.8095238095238100	0.5862068965517240	41.37931034482760	90.0	10.0	58.620689655172400
34		74.57627118644070	65.11627906976740	0.7237762237762240	0.8235294117647060	0.5384615384615380	46.15384615384620	90.9090909090909	9.090909090909090	53.84615384615390
35		72.6027397260274	56.52173913043480	0.6789965986394560	0.5909090909090910	0.5416666666666670	45.83333333333330	81.63265306122450	18.367346938775500	54.166666666666700
36		68.57142857142860	52.17391304347830	0.6550868486352360	0.8	0.3870967741935480	61.29032258064520	92.3076923076923	7.6923076923076900	38.70967741935480
37		76.11940298507460	65.21739130434780	0.7285714285714290	0.7142857142857140	0.6	40.0	85.71428571428570	14.285714285714300	60.0
38		68.11594202898550	47.61904761904760	0.6204545454545460	0.5882352941176470	0.4	60.0	84.0909090909091	15.909090909090900	40.0
39		81.81818181818180	61.111111111111100	0.7206119162640900	0.8461538461538460	0.4782608695652170	52.17391304347830	96.29629629629630	3.7037037037037000	47.82608695652170
40		81.94444444444440	69.76744186046510	0.766722408026756	0.8823529411764710	0.5769230769230770	42.30769230769230	95.65217391304350	4.3478260869565200	57.692307692307700
41		74.24242424242430	65.3061224489796	0.7201923076923080	0.6956521739130440	0.6153846153846150	38.46153846153850	82.5	17.5	61.53846153846150
42		75.0	68.0	0.7337337337337340	0.7391304347826090	0.6296296296296300	37.03703703703700	83.78378378378380	16.216216216216200	62.96296296296300
43		74.64788732394370	62.5	0.7167553191489360	0.625	0.625	37.5	80.85106382978720	19.148936170212800	62.5
44		75.9493670886076	72.46376811594200	0.7548701298701300	0.7352941176470590	0.7142857142857140	28.57142857142860	79.54545454545460	20.454545454545500	71.42857142857140
45		76.38888888888890	63.829787234042600	0.7237369687249400	0.8333333333333330	0.5172413793103450	48.275862068965500	93.02325581395350	6.976744186046510	51.724137931034500
46		74.24242424242430	62.22222222222220	0.7143522833178010	0.875	0.4827586206896550	51.724137931034500	94.5945945945946	5.405405405405410	48.275862068965500
47		76.47058823529410	66.66666666666670	0.7357142857142860	0.8	0.5714285714285710	42.857142857142900	90.0	10.0	57.14285714285710
48		78.26086956521740	70.58823529411770	0.7604529616724740	0.782608695652174	0.6428571428571430	35.714285714285700	87.8048780487805	12.195121951219500	64.28571428571430
49		81.33333333333330	73.07692307692310	0.7833333333333330	0.8636363636363640	0.6333333333333330	36.666666666666700	93.33333333333330	6.666666666666670	63.33333333333330
50		79.71014492753620	69.56521739130430	0.7785299806576400	0.6666666666666670	0.7272727272727270	27.27272727272730	82.97872340425530	17.02127659574470	72.72727272727270
51		71.01449275362320	41.1764705882353	0.6086956521739130	0.6363636363636360	0.3043478260869570	69.56521739130430	91.30434782608700	8.695652173913040	30.434782608695700
52		66.15384615384620	47.61904761904760	0.646584440227704	0.9090909090909090	0.3225806451612900	67.74193548387100	97.05882352941180	2.941176470588240	32.25806451612900
53		82.25806451612900	76.59574468085110	0.8044871794871790	0.8571428571428570	0.6923076923076920	30.76923076923080	91.66666666666670	8.333333333333330	69.23076923076920
54		70.0	57.14285714285720	0.6679561573178590	0.6956521739130440	0.4848484848484850	51.515151515151500	85.1063829787234	14.893617021276600	48.484848484848500
55		89.70588235294120	82.05128205128200	0.880236305048335	0.8	0.8421052631578950	15.789473684210500	91.83673469387760	8.16326530612245	84.21052631578950
56		80.88235294117650	71.11111111111110	0.7732142857142860	0.9411764705882350	0.5714285714285710	42.857142857142900	97.5	2.5	57.14285714285710
57		71.23287671232880	57.14285714285710	0.679421768707483	0.56	0.5833333333333330	41.66666666666670	77.55102040816330	22.448979591836700	58.333333333333300
58		79.71014492753620	73.07692307692310	0.7833614864864870	0.95	0.59375	40.625	97.2972972972973	2.7027027027027000	59.375
59		70.66666666666670	62.06896551724140	0.6888888888888890	0.6428571428571430	0.6	40.0	77.77777777777780	22.22222222222220	60.0
60		80.88235294117650	75.47169811320750	0.795536181342630	0.9090909090909090	0.6451612903225810	35.483870967741900	94.5945945945946	5.405405405405410	64.51612903225810
61		77.14285714285720	66.66666666666670	0.7381567614125750	0.7619047619047620	0.5925925925925930	40.74074074074070	88.37209302325580	11.627906976744200	59.25925925925930
62		78.37837837837840	63.63636363636360	0.7289795918367350	0.7368421052631580	0.56	44.0	89.79591836734690	10.204081632653100	56.00000000000000
63		72.85714285714290	59.57446808510640	0.6894918173987940	0.7	0.5185185185185190	48.148148148148100	86.04651162790700	13.953488372093000	51.85185185185190
64		76.38888888888890	67.9245283018868	0.751547987616099	0.9473684210526320	0.5294117647058820	47.05882352941180	97.36842105263160	2.631578947368420	52.94117647058820
65		78.08219178082190	72.41379310344830	0.7703619909502260	0.875	0.6176470588235290	38.23529411764710	92.3076923076923	7.6923076923076900	61.76470588235290
66		70.83333333333330	60.37735849056600	0.6828388131515640	0.6666666666666670	0.5517241379310350	44.827586206896600	81.3953488372093	18.6046511627907	55.172413793103400
67		81.9672131147541	62.06896551724140	0.725	1.0	0.45	55.00000000000000	100.0	0.0	45.0
68		75.38461538461540	70.37037037037040	0.7566287878787880	0.9047619047619050	0.5757575757575760	42.42424242424240	93.75	6.25	57.57575757575760
69		75.67567567567570	64.00000000000000	0.7231807951988000	0.8421052631578950	0.5161290322580650	48.38709677419360	93.02325581395350	6.976744186046510	51.61290322580650
70		66.66666666666670	44.44444444444450	0.6071964017991000	0.625	0.3448275862068970	65.51724137931040	86.95652173913040	13.043478260869600	34.48275862068970
71		67.64705882352940	56.00000000000000	0.6495031616982840	0.6086956521739130	0.5185185185185190	48.148148148148100	78.04878048780490	21.951219512195100	51.85185185185190
72		72.15189873417720	56.00000000000000	0.6715686274509800	0.6363636363636360	0.5	50.0	84.31372549019610	15.686274509803900	50.0
73		75.32467532467530	62.7450980392157	0.7295597484276730	0.5925925925925930	0.6666666666666670	33.33333333333330	79.24528301886790	20.754716981132100	66.66666666666670
74		76.81159420289860	65.21739130434780	0.7347222222222220	0.6818181818181820	0.625	37.5	84.44444444444440	15.555555555555600	62.5
75		75.60975609756100	66.66666666666670	0.736936936936937	0.8695652173913040	0.5405405405405410	45.94594594594600	93.33333333333330	6.666666666666670	54.054054054054100
76		70.27027027027030	56.00000000000000	0.6650641025641030	0.5833333333333330	0.5384615384615380	46.15384615384620	79.16666666666670	20.833333333333300	53.84615384615390
77		79.1044776119403	73.07692307692310	0.7825892857142860	0.95	0.59375	40.625	97.14285714285710	2.857142857142860	59.375
78		76.05633802816900	71.1864406779661	0.7583333333333330	0.875	0.6	40.0	91.66666666666670	8.333333333333330	60.0
79		75.64102564102560	64.15094339622640	0.7208333333333330	0.7391304347826090	0.5666666666666670	43.333333333333300	87.5	12.5	56.666666666666700
80		81.15942028985510	71.1111111111111	0.7724867724867720	0.8888888888888890	0.5925925925925930	40.74074074074070	95.23809523809520	4.761904761904760	59.25925925925930
81		71.01449275362320	60.0	0.6825396825396830	0.6521739130434780	0.5555555555555560	44.44444444444440	80.95238095238100	19.047619047619000	55.55555555555560
82		73.23943661971830	53.658536585365800	0.6696127946127950	0.7857142857142860	0.4074074074074070	59.25925925925930	93.18181818181820	6.8181818181818200	40.74074074074070
83		76.71232876712330	63.82978723404260	0.7234126984126980	0.7894736842105260	0.5357142857142860	46.42857142857140	91.11111111111110	8.88888888888889	53.57142857142860
84		73.52941176470590	66.66666666666670	0.7256944444444440	0.8181818181818180	0.5625	43.75	88.88888888888890	11.11111111111110	56.25
85		74.32432432432430	61.224489795918400	0.7045454545454550	0.7894736842105260	0.5	50.0	90.9090909090909	9.090909090909090	50.0
86		74.35897435897440	58.333333333333300	0.6900000000000000	0.7	0.5	50.0	88.0	12.0	50.0
87		80.59701492537310	66.66666666666670	0.747577519379845	0.8666666666666670	0.5416666666666670	45.83333333333330	95.34883720930230	4.651162790697680	54.166666666666700
88		72.22222222222220	66.66666666666670	0.7151702786377710	0.7692307692307690	0.5882352941176470	41.17647058823530	84.21052631578950	15.789473684210500	58.82352941176470
89		72.0	61.81818181818180	0.7053571428571430	0.85	0.4857142857142860	51.42857142857140	92.5	7.5	48.57142857142860
90		69.84126984126980	51.28205128205130	0.6724137931034480	1.0	0.3448275862068970	65.51724137931040	100.0	0.0	34.48275862068970
91		76.31578947368420	64.00000000000000	0.7247311827956990	0.8421052631578950	0.5161290322580650	48.38709677419360	93.33333333333330	6.666666666666670	51.61290322580650
92		72.0	57.14285714285710	0.6803519061583580	0.7777777777777780	0.4516129032258060	54.83870967741940	90.9090909090909	9.090909090909090	45.16129032258060
93		79.45205479452060	72.72727272727270	0.7766457680250790	0.7692307692307690	0.6896551724137930	31.03448275862070	86.36363636363640	13.636363636363600	68.96551724137930
94		77.27272727272730	63.41463414634150	0.7272727272727270	0.6842105263157900	0.5909090909090910	40.909090909090900	86.36363636363640	13.636363636363600	59.09090909090910
95		76.38888888888890	67.9245283018868	0.7444444444444440	0.6923076923076920	0.6666666666666670	33.33333333333330	82.22222222222220	17.77777777777780	66.66666666666670
96		76.0	66.66666666666670	0.7395833333333330	0.6666666666666670	0.6666666666666670	33.33333333333330	81.25	18.75	66.66666666666670
97		71.05263157894740	57.692307692307700	0.6775568181818180	0.75	0.46875	53.125	88.63636363636360	11.363636363636400	46.875
98		82.89473684210530	79.36507936507940	0.8224431818181820	0.8064516129032260	0.78125	21.875	86.36363636363640	13.636363636363600	78.125
99		77.94117647058820	65.11627906976740	0.7334883720930230	0.7777777777777780	0.56	44.0	90.69767441860470	9.30232558139535	56.00000000000000
	Mean	**76.0634288588317**	**64.08815805662320**	**72.554974999381%**	**78.5164844470442%**	**55.271346675458%**	**44.728653324542**	**89.8386033233041**	**10.1613966766959**	**55.271346675458**
	Standard Deviation	4.40477428676004	7.49573870099384	4.76113569455828%	10.6310474232942%	9.49233826556301%	9.49233826556302	5.69158776925875	5.69158776925875	9.49233826556301
	T Test Significance (Female to Male)	**0.000505176687049689**	**0.0000000000000000**	**0.00000000001589464**	**0.00116835993316475**	**0.0000000000000000**	**0.0000000000000000**	**0.0000000086801420**	**0.0000000000000000**	**0.0000000000000000**

		UB_M_Accuracy	UB_M_FScore	UB_M_ROC_AUC	UB_M_Precision	UB_M_Recall	UB_M_FNR	UB_M_TNR	UB_M_FPR	UB_M_TPR
0		77.71084337349400	76.72955974842770	0.7777293844367020	0.8133333333333330	0.7261904761904760	27.380952380952400	82.92682926829270	17.073170731707300	72.61904761904760
1		74.44444444444440	74.72527472527470	0.7444128904803060	0.7472527472527470	0.7472527472527470	25.274725274725300	74.15730337078650	25.842696629213500	74.72527472527470
2		80.31914893617020	80.82901554404150	0.8111876075731500	0.8863636363636360	0.7428571428571430	25.71428571428570	87.95180722891570	12.048192771084300	74.28571428571430
3		78.16091954022990	79.12087912087910	0.78215850258861	0.8089887640449440	0.7741935483870970	22.58064516129030	79.01234567901230	20.98765432098770	77.41935483870970
4		75.56818181818180	77.720207253886	0.7554112554112550	0.7978723404255320	0.7575757575757580	24.242424242424200	75.32467532467530	24.675324675324700	75.75757575757580
5		80.68181818181820	81.31868131868130	0.8082511676180590	0.8409090909090910	0.7872340425531920	21.27659574468090	82.92682926829270	17.073170731707300	78.72340425531920
6		76.66666666666670	78.57142857142860	0.7698903038708860	0.8279569892473120	0.7475728155339810	25.24271844660190	79.22077922077920	20.77922077922080	74.75728155339810
7		83.05084745762710	84.375	0.8321678321678320	0.8709677419354840	0.8181818181818180	18.181818181818200	84.61538461538460	15.384615384615400	81.81818181818180
8		77.90697674418610	78.4090909090909	0.7836879432624110	0.8414634146341460	0.7340425531914890	26.595744680851100	83.33333333333330	16.666666666666700	73.40425531914890
9		78.45303867403320	77.71428571428570	0.7894607843137260	0.8607594936708860	0.7083333333333330	29.166666666666700	87.05882352941180	12.941176470588200	70.83333333333330
10		80.11363636363640	80.66298342541440	0.8021116724964370	0.8295454545454550	0.7849462365591400	21.50537634408600	81.92771084337350	18.072289156626500	78.49462365591400
11		78.97727272727270	78.85714285714290	0.790885585003232	0.8214285714285710	0.7582417582417580	24.175824175824200	82.35294117647060	17.647058823529400	75.82417582417580
12		77.01149425287360	78.26086956521740	0.7737314232159590	0.8275862068965520	0.7422680412371130	25.773195876288700	80.51948051948050	19.480519480519500	74.22680412371140
13		79.88826815642460	81.81818181818180	0.8010986203372510	0.8526315789473680	0.7864077669902910	21.35922330097090	81.57894736842110	18.421052631578900	78.64077669902910
14		82.02247191011240	82.22222222222220	0.8204545454545450	0.8043478260869570	0.8409090909090910	15.909090909090900	80.0	20.0	84.0909090909091
15		80.7017543859649	81.56424581005590	0.80679012345679	0.8202247191011240	0.8111111111111110	18.88888888888890	80.24691358024690	19.753086419753100	81.11111111111110
16		82.28571428571430	80.0	0.8220361509835200	0.7848101265822780	0.8157894736842110	18.421052631578900	82.82828282828280	17.17171717171720	81.57894736842110
17		83.15789473684210	84.61538461538460	0.8357684902027410	0.8888888888888890	0.8073394495412840	19.26605504587160	86.41975308641980	13.580246913580200	80.73394495412850
18		78.19148936170210	78.53403141361260	0.7826530612244900	0.8064516129032260	0.7653061224489800	23.46938775510200	80.0	20.0	76.53061224489800
19		80.55555555555560	83.09178743961350	0.8123376623376620	0.8865979381443300	0.7818181818181820	21.818181818181800	84.28571428571430	15.714285714285700	78.18181818181820
20		78.57142857142860	78.91891891891890	0.795343137254902	0.8795180722891570	0.7156862745098040	28.431372549019600	87.5	12.5	71.56862745098040
21		75.93582887700540	76.92307692307690	0.7656794425087110	0.8333333333333330	0.7142857142857140	28.57142857142860	81.70731707317070	18.29268292682930	71.42857142857140
22		75.13812154696130	75.93582887700540	0.7562345679012350	0.8160919540229890	0.71	29.000000000000000	80.24691358024690	19.753086419753100	71.0
23		77.96610169491530	78.68852459016400	0.8011904761904760	0.9230769230769230	0.6857142857142860	31.428571428571400	91.66666666666670	8.333333333333330	68.57142857142860
24		81.35593220338980	83.58208955223880	0.8187616263619450	0.8842105263157890	0.7924528301886790	20.754716981132100	84.50704225352110	15.492957746478900	79.24528301886790
25		76.11111111111110	76.24309392265190	0.7641369047619050	0.8117647058823530	0.71875	28.125	80.95238095238100	19.047619047619000	71.875
26		77.01149425287360	79.16666666666670	0.7773827430603040	0.8539325842696630	0.7378640776699030	26.21359223300970	81.69014084507040	18.30985915492960	73.7864077669903
27		77.00534759358290	78.60696517412930	0.7738760773351970	0.8315789473684210	0.7452830188679250	25.471698113207500	80.24691358024690	19.753086419753100	74.52830188679250
28		77.01149425287360	76.19047619047620	0.7779255319148940	0.8648648648648650	0.6808510638297870	31.914893617021300	87.5	12.5	68.08510638297870
29		78.2122905027933	78.91891891891890	0.7929080723198370	0.8795180722891570	0.7156862745098040	28.431372549019600	87.01298701298700	12.987012987013000	71.56862745098040
30		79.54545454545460	81.05263157894740	0.7979797979797980	0.8461538461538460	0.7777777777777780	22.22222222222220	81.81818181818180	18.181818181818200	77.77777777777780
31		82.48587570621470	83.76963350785340	0.8248711340206190	0.851063829787234	0.8247422680412370	17.525773195876300	82.5	17.5	82.4742268041237
32		82.29166666666670	83.80952380952380	0.8213464696223320	0.8380952380952380	0.8380952380952380	16.19047619047620	80.45977011494250	19.54022988505750	83.80952380952380
33		78.45303867403320	79.14438502673800	0.7931248448746590	0.8705882352941180	0.7254901960784310	27.450980392156900	86.07594936708860	13.924050632911400	72.54901960784310
34		81.15183246073300	81.81818181818180	0.814710433244916	0.8617021276595740	0.7788461538461540	22.115384615384600	85.0574712643678	14.942528735632200	77.88461538461540
35		83.61581920903950	83.23699421965320	0.8360153256704980	0.8372093023255810	0.8275862068965520	17.24137931034480	84.44444444444440	15.555555555555600	82.75862068965520
36		82.22222222222220	84.15841584158420	0.8266190719020910	0.8854166666666670	0.8018867924528300	19.81132075471700	85.13513513513510	14.864864864864900	80.18867924528300
37		83.06010928961750	84.26395939086300	0.8341626213592230	0.8829787234042550	0.8058252427184470	19.41747572815530	86.25	13.750000000000000	80.58252427184470
38		74.03314917127070	75.13227513227510	0.7485063480209110	0.8255813953488370	0.6893203883495150	31.06796116504850	80.76923076923080	19.230769230769200	68.93203883495150
39		71.67630057803470	71.0059171597633	0.7173796791443850	0.7407407407407410	0.6818181818181820	31.818181818181800	75.29411764705880	24.705882352941200	68.18181818181820
40		77.52808988764050	79.59183673469390	0.773686229382432	0.8041237113402060	0.7878787878787880	21.21212121212120	75.9493670886076	24.050632911392400	78.78787878787880
41		79.8913043478261	78.3625730994152	0.7973484848484850	0.8072289156626510	0.7613636363636360	23.863636363636400	83.33333333333330	16.666666666666700	76.13636363636360
42		78.49462365591400	80.0	0.7870544090056290	0.8333333333333330	0.7692307692307690	23.076923076923100	80.48780487804880	19.51219512195120	76.92307692307690
43		77.6536312849162	78.49462365591400	0.7787276841840580	0.8202247191011240	0.7525773195876290	24.742268041237100	80.48780487804880	19.51219512195120	75.25773195876290
44		77.77777777777780	78.1609195402299	0.7777093596059110	0.7816091954022990	0.7816091954022990	21.839080459770100	77.38095238095240	22.61904761904760	78.16091954022990
45		80.33707865168540	80.22598870056500	0.8074191502853520	0.8658536585365850	0.7473684210526320	25.263157894736800	86.74698795180720	13.253012048192800	74.73684210526320
46		79.8913043478261	81.02564102564100	0.8048076923076920	0.8681318681318680	0.7596153846153850	24.03846153846150	85.0	15.0	75.96153846153850
47		79.12087912087910	80.6122448979592	0.789365310077519	0.79	0.8229166666666670	17.708333333333300	75.5813953488372	24.418604651162800	82.29166666666670
48		81.21546961325970	81.91489361702130	0.813573883161512	0.8461538461538460	0.7938144329896910	20.618556701030900	83.33333333333330	16.666666666666700	79.38144329896910
49		81.71428571428570	81.39534883720930	0.8170891037366080	0.813953488372093	0.813953488372093	18.6046511627907	82.02247191011240	17.97752808988760	81.3953488372093
50		82.32044198895030	83.33333333333330	0.8230854197349040	0.8421052631578950	0.8247422680412370	17.525773195876300	82.14285714285710	17.857142857142900	82.4742268041237
51		74.58563535911600	74.72527472527470	0.7553836633663370	0.8395061728395060	0.6732673267326730	32.67326732673270	83.75	16.25	67.32673267326730
52		75.13513513513510	75.53191489361700	0.7539346957951610	0.797752808988764	0.7171717171717170	28.28282828282830	79.06976744186050	20.930232558139500	71.71717171717170
53		70.74468085106380	70.8994708994709	0.7109935131444180	0.7613636363636360	0.6633663366336630	33.663366336633700	75.86206896551720	24.137931034482800	66.33663366336630
54		80.58823529411770	81.56424581005590	0.8080575338639860	0.8488372093023260	0.7849462365591400	21.50537634408600	83.11688311688310	16.883116883116900	78.49462365591400
55		81.86813186813190	81.76795580110500	0.8239795918367350	0.891566265060241	0.7551020408163270	24.489795918367300	89.28571428571430	10.714285714285700	75.51020408163270
56		78.02197802197800	79.7979797979798	0.7810049019607840	0.8229166666666670	0.7745098039215690	22.54901960784310	78.75	21.25	77.45098039215690
57		85.31073446327680	86.59793814432990	0.8517396907216500	0.865979381443299	0.865979381443299	13.402061855670100	83.75	16.25	86.5979381443299
58		78.45303867403320	80.20304568527920	0.7888986013986010	0.8494623655913980	0.7596153846153850	24.03846153846150	81.81818181818180	18.181818181818200	75.96153846153850
59		76.0	76.66666666666670	0.7716666666666670	0.8625	0.69	31.0	85.33333333333330	14.666666666666700	69.0
60		76.92307692307690	77.41935483870970	0.7869910625620650	0.9	0.6792452830188680	32.075471698113200	89.47368421052630	10.526315789473700	67.9245283018868
61		75.55555555555560	74.11764705882350	0.7582499073044120	0.8181818181818180	0.6774193548387100	32.25806451612900	83.9080459770115	16.091954022988500	67.74193548387100
62		80.68181818181820	79.01234567901230	0.8048654244306420	0.8205128205128210	0.7619047619047620	23.809523809523800	84.78260869565220	15.217391304347800	76.19047619047620
63		81.66666666666670	82.16216216216220	0.8194634206930820	0.8636363636363640	0.7835051546391750	21.649484536082500	85.54216867469880	14.457831325301200	78.35051546391750
64		80.33707865168540	81.28342245989310	0.8053328242331680	0.8444444444444440	0.7835051546391750	21.649484536082500	82.71604938271610	17.28395061728400	78.35051546391750
65		80.22598870056500	81.08108108108110	0.8020301327885600	0.78125	0.8426966292134830	15.730337078651700	76.13636363636360	23.863636363636400	84.26966292134830
66		79.21348314606740	79.78142076502730	0.7948424796747970	0.8390804597701150	0.7604166666666670	23.958333333333300	82.92682926829270	17.073170731707300	76.04166666666670
67		76.71957671957670	75.82417582417580	0.7668010752688170	0.7752808988764050	0.7419354838709680	25.806451612903200	79.16666666666670	20.833333333333300	74.19354838709680
68		78.91891891891890	78.91891891891890	0.7931054733380320	0.8488372093023260	0.7373737373737370	26.262626262626300	84.88372093023260	15.11627906976740	73.73737373737370
69		76.13636363636360	75.29411764705880	0.7689408706952570	0.8533333333333330	0.6736842105263160	32.631578947368400	86.41975308641980	13.580246913580200	67.36842105263160
70		75.42857142857140	77.72020725388600	0.758058017727639	0.8241758241758240	0.7352941176470590	26.47058823529410	78.08219178082190	21.91780821917810	73.52941176470590
71		78.02197802197800	78.49462365591400	0.789093137254902	0.8690476190476190	0.7156862745098040	28.431372549019600	86.25	13.750000000000000	71.56862745098040
72		78.3625730994152	80.21390374331550	0.7839583333333330	0.8241758241758240	0.78125	21.875	78.66666666666670	21.333333333333300	78.125
73		79.76878612716760	80.22598870056500	0.8010586974001610	0.7473684210526320	0.8658536585365850	13.414634146341500	73.62637362637360	26.373626373626400	86.58536585365850
74		85.0828729281768	86.56716417910450	0.8616818873668190	0.9354838709677420	0.8055555555555560	19.444444444444400	91.78082191780820	8.21917808219178	80.55555555555560
75		82.73809523809520	82.20858895705520	0.8271438695960310	0.8375	0.8072289156626510	19.27710843373490	84.70588235294120	15.294117647058800	80.72289156626510
76		79.54545454545460	80.85106382978720	0.7947823840888540	0.7676767676767680	0.8539325842696630	14.606741573033700	73.5632183908046	26.436781609195400	85.39325842696630
77		77.04918032786890	76.40449438202250	0.7710129310344830	0.7472527472527470	0.7816091954022990	21.839080459770100	76.04166666666670	23.958333333333300	78.16091954022990
78		78.2122905027933	78.45303867403320	0.7881708238851100	0.8554216867469880	0.7244897959183670	27.55102040816330	85.18518518518520	14.814814814814800	72.44897959183670
79		73.25581395348840	76.76767676767680	0.745449250036406	0.8539325842696630	0.6972477064220180	30.275229357798200	79.36507936507940	20.634920634920600	69.72477064220180
80		77.34806629834250	78.53403141361260	0.7807443365695790	0.8522727272727270	0.7281553398058250	27.184466019417500	83.33333333333330	16.666666666666700	72.81553398058250
81		80.66298342541440	81.28342245989310	0.8094418490287680	0.8539325842696630	0.7755102040816330	22.448979591836700	84.33734939759040	15.66265060240960	77.55102040816330
82		77.09497206703910	77.83783783783780	0.7747543461829180	0.8275862068965520	0.7346938775510200	26.53061224489800	81.48148148148150	18.51851851851850	73.46938775510210
83		76.8361581920904	79.39698492462310	0.7702186512118020	0.8315789473684210	0.7596153846153850	24.03846153846150	78.08219178082190	21.91780821917810	75.96153846153850
84		76.92307692307690	79.0	0.7685049019607840	0.8061224489795920	0.7745098039215690	22.54901960784310	76.25	23.75	77.45098039215690
85		84.0909090909091	83.13253012048190	0.8409090909090910	0.8846153846153850	0.7840909090909090	21.59090909090910	89.77272727272730	10.227272727272700	78.4090909090909
86		80.81395348837210	80.23952095808380	0.8092532467532470	0.8481012658227850	0.7613636363636360	23.863636363636400	85.71428571428570	14.285714285714300	76.13636363636360
87		80.87431693989070	81.08108108108110	0.8120648259303720	0.8620689655172410	0.7653061224489800	23.46938775510200	85.88235294117650	14.117647058823500	76.53061224489800
88		80.89887640449440	80.45977011494250	0.8099027409372240	0.8433734939759040	0.7692307692307690	23.076923076923100	85.0574712643678	14.942528735632200	76.92307692307690
89		80.57142857142860	81.72043010752690	0.8062500000000000	0.8351648351648350	0.8	20.0	81.25	18.75	80.0
90		77.00534759358290	77.94871794871790	0.7801401869158880	0.8636363636363640	0.7102803738317760	28.971962616822400	85.0	15.0	71.02803738317760
91		80.45977011494250	81.31868131868130	0.8046129374337220	0.8222222222222220	0.8043478260869570	19.565217391304300	80.48780487804880	19.51219512195120	80.43478260869570
92		80.0	81.28342245989310	0.8048910154173310	0.8636363636363640	0.7676767676767680	23.232323232323200	84.21052631578950	15.789473684210500	76.76767676767680
93		81.35593220338980	82.35294117647060	0.8156572164948450	0.8555555555555560	0.7938144329896910	20.618556701030900	83.75	16.25	79.38144329896910
94		79.34782608695650	80.61224489795920	0.7931075460487230	0.8144329896907220	0.797979797979798	20.2020202020202	78.82352941176470	21.176470588235300	79.7979797979798
95		76.40449438202250	77.41935483870970	0.7661957490136180	0.8089887640449440	0.7422680412371130	25.773195876288700	79.01234567901230	20.98765432098770	74.22680412371140
96		77.71428571428570	78.68852459016390	0.778040451799317	0.8089887640449440	0.7659574468085110	23.404255319148900	79.01234567901230	20.98765432098770	76.59574468085110
97		77.58620689655170	76.36363636363640	0.7872751499000670	0.9	0.6631578947368420	33.68421052631580	91.13924050632910	8.860759493670890	66.3157894736842
98		82.18390804597700	83.7696335078534	0.8256756756756760	0.8791208791208790	0.8	20.0	85.13513513513510	14.864864864864900	80.0
99		84.61538461538460	86.40776699029130	0.8418286273071750	0.8476190476190480	0.8811881188118810	11.881188118811900	80.24691358024690	19.753086419753100	88.11881188118810
	Mean	**79.02007553088440**	**79.7223057484691**	**79.3564054451716000%**	**83.7640135728559000%**	**76.2935430392280000%**	**23.706456960772**	**82.41926785111510**	**17.5807321488849**	**76.29354303922800**
	Standard Deviation	2.81130561487120	2.98103134007662	2.7145882653722600%	3.7511423746803100%	4.8221294251427000%	4.8221294251427	3.98994527857815	3.98994527857815	4.82212942514270
	T Test Significance (Female to Male)									

Experiment 3.1.1 (Unbalanced training data, no feature selection) - Logistic Regression Classifier

	UB_Accuracy	UB_FScore	UB_ROC_AUC	UB_Precision	UB_Recall
0	71.6	70.78189300411520	0.720744168112589	0.781818181818182	0.646616541353383
1	74.0	68.59903381642510	0.737436783816657	0.845238095238095	0.577235772357724
2	71.6	68.72246696035240	0.717655719864285	0.78	0.614173228346457
3	67.60000000000000	63.34841628959280	0.681730769230769	0.769230769230769	0.538461538461538
4	72.40000000000000	71.12970711297070	0.734997739164137	0.833333333333333	0.620437956204380
5	70.8	67.26457399103140	0.705814549180328	0.742574257425743	0.614754098360656
6	70.0	67.53246753246750	0.704166666666667	0.772277227722772	0.6
7	68.4	63.59447004608300	0.682062608027655	0.734042553191489	0.560975609756098
8	73.2	71.48936170212770	0.733147685807567	0.777777777777778	0.661417322834646
9	72.40000000000000	70.88607594936710	0.725665983606557	0.770642201834862	0.65625
10	73.2	69.95515695067260	0.740369799691834	0.857142857142857	0.590909090909091
11	70.0	66.66666666666670	0.696805439733145	0.707547169811321	0.630252100840336
12	71.6	69.7872340425532	0.719551282051282	0.780952380952381	0.630769230769231
13	72.0	70.58823529411770	0.720000000000000	0.743362831858407	0.672
14	69.6	64.48598130841120	0.690679325165181	0.726315789473684	0.579831932773109
15	71.2	68.14159292035400	0.713718711990270	0.777777777777778	0.606299212598425
16	72.0	71.54471544715450	0.722432484444159	0.765217391304348	0.671755725190840
17	74.8	72.48908296943230	0.747375832053251	0.790476190476190	0.669354838709677
18	68.8	66.66666666666670	0.690755333461464	0.742857142857143	0.604651162790698
19	73.6	71.55172413793100	0.736000000000000	0.775700934579439	0.664
20	72.40000000000000	69.33333333333330	0.720860863429341	0.735849056603774	0.655462184873950
21	70.8	68.6695278969957	0.711858974358974	0.776699029126214	0.615384615384615
22	71.6	68.99563318777290	0.714395491803279	0.738317757009346	0.647540983606557
23	72.8	70.17543859649120	0.733914940021810	0.824742268041237	0.610687022900763
24	74.0	71.86147186147190	0.745365321701200	0.83	0.633587786259542
25	76.4	71.77033492822970	0.756111682964488	0.806451612903226	0.646551724137931
26	70.8	66.3594470046083	0.703846153846154	0.742268041237113	0.6
27	74.8	72.96137339055790	0.750064036885246	0.809523809523810	0.6640625
28	71.6	68.44444444444450	0.716845878136201	0.777777777777778	0.611111111111111
29	72.0	66.98113207547170	0.713193239509029	0.747368421052632	0.606837606837607
30	71.6	68.72246696035240	0.716781874039939	0.772277227722772	0.619047619047619
31	71.6	66.35071090047390	0.708051529790660	0.729166666666667	0.608695652173913
32	69.6	68.33333333333330	0.699531721085381	0.752293577981651	0.625954198473283
33	73.6	71.7948717948718	0.734615384615385	0.736842105263158	0.7
34	75.2	72.07207207207210	0.749350649350649	0.714285714285714	0.727272727272727
35	74.8	69.85645933014350	0.743513357678263	0.829545454545455	0.603305785123967
36	69.6	67.24137931034480	0.704837879567679	0.795918367346939	0.582089552238806
37	72.40000000000000	68.20276497695850	0.721247438524590	0.778947368421053	0.606557377049180
38	73.2	70.74235807860260	0.737731733914940	0.826530612244898	0.618320610687023
39	68.4	65.19823788546260	0.682702771909609	0.711538461538462	0.601626016260163
40	68.4	65.8008658008658	0.690421160760144	0.767676767676768	0.575757575757576
41	73.6	71.05263157894740	0.737596824787146	0.801980198019802	0.637795275590551
42	70.0	66.3677130044843	0.701907688368222	0.770833333333333	0.582677165354331
43	68.4	63.92694063926940	0.684	0.744680851063830	0.56
44	73.2	70.48458149779740	0.731310803891449	0.776699029126214	0.645161290322581
45	68.0	62.26415094339620	0.682606747327316	0.776470588235294	0.519685039370079
46	71.6	69.26406926406930	0.730023900264841	0.851063829787234	0.583941605839416
47	74.0	69.48356807511740	0.732850241545894	0.755102040816327	0.643478260869565
48	73.6	67.0	0.723020186335404	0.761363636363636	0.598214285714286
49	70.0	67.81115879828330	0.702036372950820	0.752380952380952	0.6171875
50	74.8	73.41772151898740	0.750432442821449	0.805555555555556	0.674418604651163
51	72.40000000000000	68.20276497695850	0.718862352336929	0.747474747474748	0.627118644067797
52	73.2	70.74235807860260	0.735441091677878	0.81	0.627906976744186
53	72.40000000000000	68.77828054298640	0.722328916202548	0.775510204081633	0.617886178861789
54	70.8	65.72769953051640	0.708000000000000	0.795454545454545	0.56
55	70.8	66.9683257918552	0.703457361352098	0.711538461538462	0.632478632478633
56	71.2	68.14159292035400	0.710105020491803	0.740384615384615	0.631147540983607
57	74.4	70.37037037037040	0.738311688311688	0.716981132075472	0.690909090909091
58	71.2	69.49152542372880	0.713755122950820	0.759259259259259	0.640625
59	68.4	66.38297872340430	0.688466226185131	0.75	0.595419847328244
60	67.60000000000000	64.62882096069870	0.682845403184386	0.762886597938144	0.560606060606061
61	74.0	71.86147186147190	0.745365321701200	0.83	0.633587786259542
62	68.4	63.92694063926940	0.685035842293907	0.752688172043011	0.555555555555556
63	75.2	72.80701754385970	0.749502854576945	0.761467889908257	0.697478991596639
64	72.8	69.36936936936940	0.723687596500257	0.726415094339623	0.663793103448276
65	71.6	69.52789699570820	0.718045594262295	0.771428571428572	0.6328125
66	69.6	70.07874015748030	0.706898800208659	0.794642857142857	0.626760563380282
67	71.2	66.66666666666670	0.707101161075117	0.742268041237113	0.605042016806723
68	70.40000000000000	66.66666666666670	0.709615384615385	0.804347826086957	0.569230769230769
69	68.8	65.17857142857140	0.685899077868853	0.715686274509804	0.598360655737705
70	72.0	67.28971962616820	0.717879777222969	0.791208791208791	0.585365853658537
71	72.0	68.18181818181820	0.716346153846154	0.75	0.625
72	71.6	67.57990867579910	0.718167850969848	0.804347826086957	0.582677165354331
73	70.40000000000000	67.82608695652170	0.707284259081299	0.772277227722772	0.604651162790698
74	72.8	70.17543859649120	0.725641025641026	0.740740740740741	0.666666666666667
75	67.2	63.06306306306310	0.681961313540261	0.786516853932584	0.526315789473684
76	75.2	72.32142857142860	0.749038461538462	0.778846153846154	0.675
77	69.6	66.66666666666670	0.703133025166923	0.791666666666667	0.575757575757576
78	68.8	66.37931034482760	0.690125512295082	0.740384615384615	0.6015625
79	75.6	73.81974248927040	0.758068647540984	0.819047619047619	0.671875
80	71.2	66.66666666666670	0.713133640552995	0.8	0.571428571428571
81	67.2	65.83333333333330	0.685073562771405	0.782178217821782	0.568345323741007
82	68.8	63.20754716981130	0.680584148224395	0.697916666666667	0.577586206896552
83	69.6	65.45454545454550	0.690941842511580	0.692307692307692	0.620689655172414
84	73.2	68.83720930232560	0.732000000000000	0.822222222222222	0.592
85	65.60000000000000	62.93103448275860	0.654019003595275	0.640350877192982	0.618644067796610
86	74.4	74.4	0.744762636940227	0.768595041322314	0.720930232558140
87	68.8	65.48672566371680	0.703701311284801	0.831460674157303	0.540145985401460
88	67.2	66.39344262295080	0.689758839291550	0.801980198019802	0.566433566433567
89	66.4	61.11111111111110	0.660324171952079	0.694736842105263	0.545454545454545
90	72.40000000000000	69.60352422907490	0.722713014531720	0.759615384615385	0.642276422764228
91	70.40000000000000	67.2566371681416	0.704813108038915	0.76	0.603174603174603
92	69.6	66.3716814159292	0.697714614941425	0.757575757575758	0.590551181102362
93	76.0	72.97297297297300	0.760944700460830	0.84375	0.642857142857143
94	70.0	64.45497630331760	0.695720417707733	0.755555555555556	0.561983471074380
95	69.6	67.79661016949150	0.706398348813210	0.8	0.588235294117647
96	70.0	66.9603524229075	0.700780849974398	0.752475247524753	0.603174603174603
97	72.0	69.82758620689650	0.735442546583851	0.861702127659574	0.586956521739131
98	66.8	62.10045662100460	0.668	0.723404255319149	0.544
99	70.40000000000000	65.74074074074080	0.702956989247312	0.771739130434783	0.572580645161290
Mean	**71.308**	**68.1839411116999**	**71.4222927643159%**	**77.03547165049840**	**61.3715967069092%**
Standard Deviation	2.37076810636161	2.88348513473803	2.275044375761139%	3.979417586767020	4.19153972746257%
T Test Significance (Female to Male)					

	UB_F_Accuracy	UB_F_FScore	UB_F_ROC_AUC	UB_F_Precision	UB_F_Recall	UB_F_FNR	UB_F_TNR	UB_F_FPR	UB_F_TPR
0	64.7887323943662	41.86046511627910	0.614983974358974	0.818181818181818	0.28125	71.875	94.87179487179490	5.128205128205130	28.125
1	77.21518987341770	57.14285714285720	0.696896551724138	0.923076923076923	0.413793103448276	58.62068965517240	98.0	2.0	41.37931034482760
2	72.05882352941180	53.65853658536580	0.663919413919414	0.733333333333333	0.423076923076923	57.69230769230770	90.47619047619050	9.523809523809520	42.30769230769230
3	75.0	50.0	0.654835847382431	0.692307692307692	0.391304347826087	60.86956521739130	91.83673469387760	8.16326530612245	39.13043478260870
4	76.05633802816900	63.82978723404260	0.725609756097561	0.882352941176471	0.5	50.0	95.1219512195122	4.878048780487810	50.0
5	75.36231884057970	58.53658536585370	0.706896551724138	1.0	0.413793103448276	58.62068965517240	100.0	0.0	41.37931034482760
6	69.51219512195120	52.83018867924530	0.64875	0.666666666666667	0.4375	56.25	86.0	14.00000000000000	43.75
7	68.67469879518070	43.47826086956520	0.632440476190476	0.909090909090909	0.285714285714286	71.42857142857140	97.91666666666670	2.083333333333330	28.57142857142860
8	77.77777777777780	57.89473684210530	0.698314108251996	0.733333333333333	0.478260869565217	52.17391304347830	91.83673469387760	8.16326530612245	47.82608695652170
9	77.33333333333330	58.53658536585370	0.700156985871272	0.8	0.461538461538462	53.84615384615390	93.87755102040820	6.122448979591840	46.15384615384620
10	73.97260273972600	61.22448979591840	0.709984756097561	0.882352941176471	0.46875	53.125	95.1219512195122	4.878048780487810	46.875
11	64.0625	34.28571428571430	0.552083333333333	0.315789473684211	0.375	62.5	72.91666666666670	27.08333333333330	37.5
12	71.01449275362320	54.54545454545450	0.680390492359932	0.923076923076923	0.387096774193548	61.29032258064520	97.36842105263160	2.631578947368420	38.70967741935480
13	74.6268656716418	58.53658536585370	0.701465201465201	0.923076923076923	0.428571428571429	57.14285714285710	97.43589743589740	2.564102564102560	42.85714285714290
14	72.0	63.1578947368421	0.716927453769559	0.9	0.486486486486487	51.35135135135140	94.73684210526320	5.263157894736840	48.64864864864870
15	78.37837837837840	61.90476190476190	0.721273291925466	0.928571428571429	0.464285714285714	53.57142857142860	97.82608695652170	2.173913043478260	46.42857142857140
16	72.85714285714290	55.81395348837210	0.6875	0.923076923076923	0.4	60.0	97.5	2.5	40.0
17	74.6268656716418	58.53658536585370	0.692380952380952	0.75	0.48	52.0	90.47619047619050	9.523809523809520	48.0
18	69.84126984126980	57.77777777777780	0.671296296296296	0.722222222222222	0.481481481481481	51.85185185185190	86.11111111111110	13.88888888888890	48.14814814814810
19	71.42857142857140	47.61904761904760	0.637755102040816	0.714285714285714	0.357142857142857	64.28571428571430	91.83673469387760	8.16326530612245	35.71428571428570
20	72.22222222222220	50.0	0.649859943977591	0.526315789473684	0.476190476190476	52.38095238095240	82.35294117647060	17.64705882352940	47.61904761904760
21	75.71428571428570	63.82978723404260	0.729114971050455	0.9375	0.483870967741936	51.61290322580650	97.43589743589740	2.564102564102560	48.38709677419360
22	73.61111111111110	53.65853658536580	0.666666666666667	0.647058823529412	0.458333333333333	54.16666666666670	87.5	12.5	45.83333333333330
23	71.42857142857140	55.00000000000000	0.670997920997921	0.785714285714286	0.423076923076923	57.69230769230770	91.8918918918919	8.108108108108110	42.30769230769230
24	76.92307692307690	57.14285714285720	0.696138211382114	0.909090909090909	0.416666666666667	58.33333333333330	97.5609756097561	2.439024390243900	41.66666666666670
25	74.32432432432430	53.65853658536590	0.678544061302682	0.916666666666667	0.379310344827586	62.06896551724140	97.77777777777780	2.222222222222220	37.93103448275860
26	75.0	48.48484848484850	0.647922998986829	0.666666666666667	0.380952380952381	61.90476190476190	91.48936170212770	8.51063829787234	38.09523809523810
27	69.73684210526320	54.90196078431370	0.681944444444444	0.933333333333333	0.388888888888889	61.11111111111110	97.5	2.5	38.88888888888890
28	75.0	50.00000000000000	0.658008658008658	0.8	0.363636363636364	63.63636363636360	95.23809523809520	4.761904761904760	36.36363636363640
29	71.95121951219510	51.06382978723410	0.6575	0.8	0.375	62.5	94.0	6.0	37.5
30	73.33333333333330	55.55555555555560	0.685714285714286	0.909090909090909	0.4	60.0	97.14285714285710	2.857142857142860	40.0
31	80.76923076923080	66.66666666666670	0.748366013071895	0.833333333333333	0.555555555555556	44.44444444444440	94.11764705882350	5.88235294117647	55.55555555555560
32	70.83333333333330	58.82352941176470	0.694272445820434	0.882352941176471	0.441176470588235	55.88235294117650	94.73684210526320	5.263157894736840	44.11764705882350
33	73.01587301587300	54.05405405405410	0.666666666666667	0.625	0.476190476190476	52.38095238095240	85.71428571428570	14.28571428571430	47.61904761904760
34	77.33333333333330	56.41025641025640	0.689950980392157	0.733333333333333	0.458333333333333	54.16666666666670	92.15686274509800	7.843137254901960	45.83333333333330
35	78.37837837837840	61.90476190476190	0.721273291925466	0.928571428571429	0.464285714285714	53.57142857142860	97.82608695652170	2.173913043478260	46.42857142857140
36	67.5	40.90909090909090	0.600000000000000	0.642857142857143	0.3	70.0	90.0	10.0	30.0
37	75.90361445783130	56.52173913043480	0.687100893997446	0.764705882352941	0.448275862068966	55.17241379310340	92.5925925925926	7.407407407407410	44.82758620689660
38	74.6268656716418	51.42857142857140	0.661561264822134	0.75	0.391304347826087	60.86956521739130	93.18181818181820	6.818181818181820	39.13043478260870
39	74.6268656716418	66.66666666666670	0.727313974591652	0.772727272727273	0.586206896551724	41.37931034482760	86.8421052631579	13.15789473684210	58.62068965517240
40	70.83333333333330	43.24324324324320	0.637931034482759	1.0	0.275862068965517	72.41379310344830	100.0	0.0	27.58620689655170
41	75.0	62.96296296296300	0.729729729729730	1.0	0.459459459459460	54.05405405405410	100.0	0.0	45.94594594594600
42	72.6027397260274	52.38095238095240	0.660225442834139	0.733333333333333	0.407407407407407	59.25925925925930	91.30434782608700	8.695652173913040	40.74074074074070
43	64.7887323943662	35.8974358974359	0.584975369458128	0.7	0.241379310344828	75.86206896551720	92.85714285714290	7.142857142857140	24.13793103448280
44	70.58823529411770	54.54545454545450	0.680034875835261	0.923076923076923	0.387096774193548	61.29032258064520	97.2972972972973	2.702702702702700	38.70967741935480
45	69.56521739130430	51.16279069767440	0.647648083623693	0.733333333333333	0.392857142857143	60.71428571428570	90.2439024390244	9.75609756097561	39.28571428571430
46	72.3076923076923	50.0	0.660256410256410	0.9	0.346153846153846	65.38461538461540	97.43589743589740	2.564102564102560	34.61538461538460
47	79.71014492753620	56.25	0.693452380952381	0.818181818181818	0.428571428571429	57.14285714285710	95.83333333333330	4.166666666666670	42.85714285714290
48	76.31578947368420	57.14285714285710	0.691609977324263	0.8	0.444444444444444	55.55555555555560	93.87755102040820	6.122448979591840	44.44444444444440
49	71.42857142857140	56.52173913043480	0.679166666666667	0.8125	0.433333333333333	56.66666666666670	92.5	7.5	43.33333333333330
50	76.92307692307690	60.86956521739130	0.710239651416122	0.736842105263158	0.518518518518519	48.14814814814810	90.19607843137260	9.803921568627450	51.85185185185190
51	75.67567567567570	62.5	0.722470238095238	0.9375	0.46875	53.125	97.61904761904760	2.380952380952380	46.875
52	77.33333333333330	65.3061224489796	0.732383808095952	0.8	0.551724137931035	44.82758620689660	91.30434782608700	8.695652173913040	55.17241379310340
53	78.125	56.25000000000000	0.695652173913044	0.642857142857143	0.5	50.0	89.13043478260870	10.86956521739130	50.0
54	75.30864197530870	58.33333333333330	0.693396226415094	0.7	0.5	50.0	88.67924528301890	11.32075471698110	50.0
55	78.94736842105260	53.84615384615390	0.680882352941176	0.777777777777778	0.411764705882353	58.82352941176470	95.0	5.0	41.17647058823530
56	76.71232876712330	56.41025641025640	0.692834138486313	0.916666666666667	0.407407407407407	59.25925925925930	97.82608695652170	2.173913043478260	40.74074074074070
57	76.47058823529410	57.89473684210530	0.695075757575758	0.785714285714286	0.458333333333333	54.16666666666670	93.18181818181820	6.818181818181820	45.83333333333330
58	76.31578947368420	62.5	0.717391304347826	0.833333333333333	0.5	50.0	93.47826086956520	6.521739130434780	50.0
59	68.75	50.98039215686270	0.643778207607995	0.722222222222222	0.393939393939394	60.60606060606060	89.36170212765960	10.63829787234040	39.39393939393940
60	63.63636363636360	45.45454545454550	0.636363636363636	0.909090909090909	0.303030303030303	69.6969696969697	96.96969696969700	3.030303030303030	30.30303030303030
61	78.57142857142860	66.66666666666670	0.743006993006993	0.789473684210526	0.576923076923077	42.30769230769230	90.9090909090909	9.090909090909090	57.69230769230770
62	73.17073170731710	57.6923076923077	0.689338235294118	0.833333333333333	0.441176470588235	55.88235294117650	93.75	6.25	44.11764705882350
63	82.08955223880600	71.42857142857140	0.780632411067194	0.789473684210526	0.652173913043478	34.78260869565220	90.9090909090909	9.090909090909090	65.21739130434780
64	76.82926829268290	59.57446808510640	0.703703703703704	0.736842105263158	0.5	50.0	90.74074074074080	9.25925925925926	50.0
65	71.42857142857140	47.05882352941180	0.646842105263158	0.888888888888889	0.32	68.0	97.36842105263160	2.631578947368420	32.0
66	77.94117647058820	70.58823529411760	0.763295553618134	0.9	0.580645161290323	41.93548387096770	94.5945945945946	5.405405405405410	58.06451612903230
67	73.13432835820900	55.00000000000000	0.674953095684803	0.785714285714286	0.423076923076923	57.69230769230770	92.6829268292683	7.317073170731710	42.30769230769230
68	66.66666666666670	44.44444444444440	0.627705627705628	0.833333333333333	0.303030303030303	69.6969696969697	95.23809523809520	4.761904761904760	30.30303030303030
69	69.44444444444440	54.16666666666670	0.665625	0.8125	0.40625	59.375	92.5	7.5	40.625
70	76.81159420289860	52.94117647058820	0.672630560928433	0.75	0.409090909090909	59.09090909090910	93.61702127659580	6.382978723404260	40.90909090909090
71	74.11764705882350	59.25925925925930	0.696078431372549	0.8	0.470588235294118	52.94117647058820	92.15686274509800	7.843137254901960	47.05882352941180
72	71.23287671232880	43.24324324324320	0.631746031746032	0.888888888888889	0.285714285714286	71.42857142857140	97.77777777777780	2.222222222222220	28.57142857142860
73	71.21212121212120	61.22448979591840	0.688034188034188	0.681818181818182	0.555555555555556	44.44444444444440	82.05128205128200	17.94871794871800	55.55555555555560
74	73.68421052631580	56.52173913043480	0.684057971014493	0.8125	0.433333333333333	56.66666666666670	93.47826086956520	6.521739130434780	43.33333333333330
75	64.70588235294120	40.0	0.592857142857143	0.666666666666667	0.285714285714286	71.42857142857140	90.0	10.0	28.57142857142860
76	76.78571428571430	51.85185185185190	0.670697012802276	0.875	0.368421052631579	63.1578947368421	97.2972972972973	2.702702702702700	36.84210526315790
77	67.64705882352940	38.88888888888890	0.6125	0.875	0.25	75.0	97.5	2.5	25.0
78	73.84615384615390	60.46511627906980	0.710249042145594	0.928571428571429	0.448275862068966	55.17241379310340	97.22222222222220	2.777777777777780	44.82758620689660
79	79.41176470588240	68.18181818181820	0.753387533875339	0.882352941176471	0.555555555555556	44.44444444444440	95.1219512195122	4.878048780487810	55.55555555555560
80	72.3076923076923	59.09090909090910	0.691602316602317	0.8125	0.464285714285714	53.57142857142860	91.8918918918919	8.108108108108110	46.42857142857140
81	66.23376623376620	51.85185185185190	0.645663956639566	0.777777777777778	0.388888888888889	61.11111111111110	90.2439024390244	9.75609756097561	38.88888888888890
82	72.72727272727270	55.31914893617020	0.677068723702665	0.8125	0.419354838709677	58.06451612903230	93.47826086956520	6.521739130434780	41.93548387096770
83	75.0	57.14285714285710	0.691558441558442	0.857142857142857	0.428571428571429	57.14285714285710	95.45454545454550	4.545454545454550	42.85714285714290
84	69.86301369863010	47.61904761904760	0.638322884012539	0.769230769230769	0.344827586206897	65.51724137931040	93.18181818181820	6.818181818181820	34.48275862068970
85	64.28571428571430	50.98039215686270	0.614381833473507	0.590909090909091	0.448275862068966	55.17241379310340	78.04878048780490	21.95121951219510	44.82758620689660
86	75.36231884057970	63.82978723404260	0.720454545454546	0.681818181818182	0.6	40.0	84.0909090909091	15.90909090909090	60.0
87	72.97297297297300	54.54545454545450	0.68192048012003	0.923076923076923	0.387096774193548	61.29032258064520	97.67441860465120	2.325581395348840	38.70967741935480
88	65.75342465753420	56.14035087719300	0.675716440422323	0.888888888888889	0.410256410256410	58.97435897435900	94.11764705882350	5.88235294117647	41.02564102564100
89	73.33333333333330	54.54545454545450	0.671732522796353	0.75	0.428571428571429	57.14285714285710	91.48936170212770	8.51063829787234	42.85714285714290
90	75.67567567567570	57.14285714285720	0.7	1.0	0.4	60.0	100.0	0.0	40.0
91	74.66666666666670	55.81395348837210	0.688888888888889	0.923076923076923	0.4	60.0	97.77777777777780	2.222222222222220	40.0
92	74.68354430379750	61.53846153846150	0.713071895424837	0.888888888888889	0.470588235294118	52.94117647058820	95.55555555555560	4.444444444444450	47.05882352941180
93	75.75757575757580	60.0	0.709401709401709	0.923076923076923	0.444444444444444	55.55555555555560	97.43589743589740	2.564102564102560	44.44444444444440
94	70.27027027027030	47.61904761904760	0.635093167701863	0.714285714285714	0.357142857142857	64.28571428571430	91.30434782608700	8.695652173913040	35.71428571428570
95	77.02702702702700	60.46511627906980	0.713026819923372	0.928571428571429	0.448275862068966	55.17241379310340	97.77777777777780	2.222222222222220	44.82758620689660
96	75.67567567567570	66.66666666666670	0.739705882352941	0.9	0.529411764705882	47.05882352941180	95.0	5.0	52.94117647058820
97	73.52941176470590	60.8695652173913	0.702917771883289	0.823529411764706	0.482758620689655	51.72413793103450	92.3076923076923	7.692307692307690	48.27586206896550
98	70.96774193548390	50.0	0.666666666666667	1.0	0.333333333333333	66.66666666666670	100.0	0.0	33.33333333333330
99	72.46376811594200	45.71428571428570	0.633333333333333	0.727272727272727	0.333333333333333	66.66666666666670	93.33333333333330	6.666666666666670	33.33333333333330
Mean	**73.3344725921511**	**55.2439703311362**	**68.03614462365760**	**81.3104486629641%**	**42.6972761599435%**	**57.3027238400565**	**93.3750130873717**	**6.62498691262834**	**42.6972761599435**
Standard Deviation	3.9458648141194	7.2766427785954	3.910034780511530	11.3111542049613%	7.84582774201899%	7.84582774201899	4.6447133643851	4.6447133643851	7.84582774201899
T Test Significance (Female to Male)	**0.010069363087628**	**0.000000000000000**	**0.001284939176859**	**0.297372715582856**	**0.000000000000000**	**0.000000000000000**	**0.000000000000000**	**0.000000000000000**	**0.000000000000000**

	UB_M_Accuracy	UB_M_FScore	UB_M_ROC_AUC	UB_M_Precision	UB_M_Recall	UB_M_FNR	UB_M_TNR	UB_M_FPR	UB_M_TPR
0	74.30167597765360	77.00000000000000	0.740162477786240	0.777777777777778	0.762376237623762	23.76237623762380	71.7948717948718	28.20512820512820	76.23762376237620
1	72.51461988304090	71.51515151515150	0.735907709311965	0.830985915492958	0.627659574468085	37.23404255319150	84.4155844155844	15.58441558441560	62.76595744680850
2	71.42857142857140	72.04301075268820	0.720572057205721	0.788235294117647	0.663366336633663	33.66336633663370	77.77777777777780	22.22222222222220	66.33663366336630
3	64.60674157303370	65.94594594594590	0.665328419112808	0.782051282051282	0.570093457943925	42.99065420560750	76.05633802816900	23.94366197183100	57.00934579439250
4	70.94972067039110	72.91666666666670	0.722936137071651	0.823529411764706	0.654205607476636	34.57943925233650	79.16666666666670	20.83333333333330	65.42056074766350
5	69.06077348066300	69.23076923076920	0.690982404692082	0.707865168539326	0.677419354838710	32.25806451612900	70.45454545454550	29.54545454545450	67.74193548387100
6	70.23809523809520	71.91011235955060	0.712244897959184	0.8	0.653061224489796	34.69387755102040	77.14285714285720	22.85714285714290	65.3061224489796
7	68.26347305389220	69.00584795321640	0.683328538550057	0.710843373493976	0.670454545454545	32.95454545454550	69.62025316455700	30.37974683544300	67.04545454545460
8	71.34831460674160	74.11167512690360	0.715826403326403	0.784946236559140	0.701923076923077	29.80769230769230	72.97297297297300	27.02702702702700	70.1923076923077
9	70.28571428571430	73.46938775510210	0.702256244963739	0.765957446808511	0.705882352941177	29.41176470588240	69.86301369863010	30.13698630136990	70.58823529411770
10	72.88135593220340	72.41379310344830	0.743571428571429	0.851351351351351	0.63	37.0	85.71428571428570	14.28571428571430	63.0
11	72.04301075268820	72.63157894736840	0.726517721370921	0.793103448275862	0.669902912621359	33.00970873786410	78.3132530120482	21.68674698795180	66.99029126213590
12	71.8232044198895	73.29842931937170	0.719389012071939	0.760869565217391	0.707070707070707	29.29292929292930	73.17073170731710	26.82926829268290	70.70707070707070
13	71.03825136612020	73.09644670050760	0.708343322944138	0.72	0.742268041237113	25.77319587628870	67.44186046511630	32.55813953488370	74.22680412371140
14	68.57142857142860	64.96815286624210	0.681943351691581	0.68	0.621951219512195	37.80487804878050	74.19354838709680	25.80645161290320	62.19512195121950
15	68.18181818181820	69.56521739130430	0.686868686868687	0.752941176470588	0.646464646464647	35.35353535353540	72.72727272727270	27.27272727272730	64.64646464646470
16	71.66666666666670	74.8768472906404	0.711680661737060	0.745098039215686	0.752475247524753	24.75247524752480	67.08860759493670	32.91139240506330	75.24752475247520
17	74.86338797814210	75.53191489361700	0.751443001443001	0.797752808988764	0.717171717171717	28.28282828282830	78.57142857142860	21.42857142857140	71.71717171717170
18	68.44919786096260	68.78306878306880	0.689215686274510	0.747126436781609	0.637254901960784	36.27450980392160	74.11764705882350	25.88235294117650	63.72549019607840
19	74.56647398843930	76.8421052631579	0.744709712425393	0.784946236559140	0.752577319587629	24.74226804123710	73.68421052631580	26.31578947368420	75.25773195876290
20	72.47191011235960	73.51351351351350	0.728188775510204	0.781609195402299	0.693877551020408	30.61224489795920	76.25	23.75	69.38775510204080
21	68.88888888888890	69.89247311827960	0.692480359147026	0.747126436781609	0.656565656565657	34.34343434343430	72.8395061728395	27.16049382716050	65.65656565656570
22	70.78651685393260	72.3404255319149	0.709438775510204	0.755555555555556	0.693877551020408	30.61224489795920	72.5	27.50000000000000	69.38775510204080
23	73.2620320855615	73.40425531914890	0.743205574912892	0.831325301204819	0.657142857142857	34.28571428571430	82.92682926829270	17.07317073170730	65.71428571428570
24	72.97297297297300	74.48979591836730	0.738557392763000	0.820224719101124	0.682242990654206	31.77570093457940	79.48717948717950	20.51282051282050	68.22429906542060
25	77.27272727272730	76.1904761904762	0.772310473976495	0.790123456790123	0.735632183908046	26.43678160919540	80.89887640449440	19.10112359550560	73.5632183908046
26	69.23076923076920	69.56521739130430	0.696726299135938	0.752941176470588	0.646464646464647	35.35353535353540	74.69879518072290	25.30120481927710	64.64646464646470
27	77.01149425287360	78.02197802197800	0.770015906680806	0.788888888888889	0.771739130434783	22.82608695652170	76.82926829268290	23.17073170731710	77.17391304347830
28	70.43010752688170	71.50259067357510	0.709779549718574	0.775280898876405	0.663461538461538	33.65384615384620	75.60975609756100	24.39024390243900	66.34615384615380
29	72.02380952380950	71.51515151515150	0.720552799433026	0.7375	0.694117647058824	30.58823529411770	74.69879518072290	25.30120481927710	69.41176470588240
30	71.05263157894740	71.20418848167540	0.713038157748359	0.755555555555556	0.673267326732673	32.67326732673270	75.28089887640450	24.71910112359550	67.32673267326730
31	67.44186046511630	66.26506024096390	0.675595238095238	0.705128205128205	0.625	37.5	72.61904761904760	27.38095238095240	62.5
32	69.10112359550560	70.89947089947090	0.691039837087947	0.728260869565217	0.690721649484536	30.92783505154640	69.1358024691358	30.86419753086420	69.0721649484536
33	73.79679144385030	75.12690355329950	0.737373737373737	0.755102040816327	0.747474747474748	25.25252525252530	72.72727272727270	27.27272727272730	74.74747474747480
34	74.28571428571430	75.40983606557380	0.743859419911158	0.711340206185567	0.802325581395349	19.76744186046510	68.53932584269660	31.46067415730340	80.23255813953490
35	73.29545454545460	71.8562874251497	0.7382432957637	0.810810810810811	0.645161290322581	35.48387096774190	83.13253012048190	16.86746987951810	64.51612903225810
36	70.58823529411770	73.40425531914890	0.718094405594406	0.821428571428571	0.663461538461538	33.65384615384620	77.27272727272730	22.72727272727270	66.34615384615380
37	70.65868263473050	71.34502923976610	0.713092124382447	0.782051282051282	0.655913978494624	34.40860215053760	77.02702702702700	22.97297297297300	65.59139784946240
38	72.6775956284153	74.22680412371140	0.740000000000000	0.837209302325581	0.666666666666667	33.33333333333330	81.33333333333330	18.66666666666670	66.66666666666670
39	66.12021857923500	64.77272727272730	0.662742051159455	0.695121951219512	0.606382978723404	39.36170212765960	71.91011235955060	28.08988764044940	60.63829787234040
40	67.41573033707870	70.10309278350520	0.676763754045308	0.747252747252747	0.660194174757282	33.98058252427180	69.33333333333330	30.66666666666670	66.01941747572820
41	72.94117647058820	73.5632183908046	0.730555555555556	0.761904761904762	0.711111111111111	28.88888888888890	75.0	25.0	71.11111111111110
42	68.92655367231640	69.61325966850830	0.698116883116883	0.777777777777778	0.63	37.0	76.62337662337660	23.37662337662340	63.0
43	69.83240223463690	70.0	0.701618975903614	0.75	0.65625	34.375	74.69879518072290	25.30120481927710	65.625
44	74.17582417582420	74.31693989071040	0.741995892231485	0.755555555555556	0.731182795698925	26.88172043010750	75.28089887640450	24.71910112359550	73.11827956989250
45	67.40331491712710	65.08875739644970	0.686314363143632	0.785714285714286	0.555555555555556	44.44444444444440	81.70731707317070	18.29268292682930	55.55555555555560
46	71.35135135135140	72.82051282051280	0.731981981981982	0.845238095238095	0.639639639639640	36.03603603603600	82.43243243243240	17.56756756756760	63.96396396396400
47	71.8232044198895	71.8232044198895	0.719307899241868	0.747126436781609	0.691489361702128	30.85106382978720	74.71264367816090	25.28735632183910	69.14893617021280
48	72.41379310344830	69.62025316455700	0.722405816259088	0.753424657534247	0.647058823529412	35.29411764705880	79.7752808988764	20.22471910112360	64.70588235294120
49	69.44444444444440	70.58823529411760	0.696490791438527	0.741573033707865	0.673469387755102	32.6530612244898	71.95121951219510	28.04878048780490	67.3469387755102
50	73.83720930232560	76.43979057591620	0.743557422969188	0.820224719101124	0.715686274509804	28.43137254901960	77.14285714285720	22.85714285714290	71.56862745098040
51	71.02272727272730	69.8224852071006	0.709689922480620	0.710843373493976	0.686046511627907	31.3953488372093	73.33333333333330	26.66666666666670	68.6046511627907
52	71.42857142857140	72.22222222222220	0.725000000000000	0.8125	0.65	35.0	80.0	20.0	65.0
53	70.43010752688170	70.8994708994709	0.714109347442681	0.797619047619048	0.638095238095238	36.19047619047620	79.01234567901230	20.98765432098770	63.8095238095238
54	68.63905325443790	67.87878787878790	0.705326460481100	0.823529411764706	0.577319587628866	42.2680412371134	83.33333333333330	16.66666666666670	57.73195876288660
55	68.39378238341970	68.71794871794870	0.684462365591398	0.705263157894737	0.67	33.0	69.89247311827960	30.10752688172040	67.0
56	68.92655367231640	70.58823529411770	0.688831835686778	0.717391304347826	0.694736842105263	30.52631578947370	68.29268292682930	31.70731707317070	69.47368421052630
57	73.62637362637360	73.03370786516850	0.737281976744186	0.706521739130435	0.755813953488372	24.41860465116280	71.875	28.125	75.5813953488372
58	68.96551724137930	71.27659574468090	0.690520945220193	0.744444444444445	0.683673469387755	31.63265306122450	69.73684210526320	30.26315789473680	68.36734693877550
59	68.23529411764710	70.65217391304350	0.685799319727891	0.755813953488372	0.663265306122449	33.6734693877551	70.83333333333330	29.16666666666670	66.3265306122449
60	69.02173913043480	69.18918918918920	0.693820558526441	0.744186046511628	0.646464646464647	35.35353535353540	74.11764705882350	25.88235294117650	64.64646464646470
61	72.22222222222220	73.11827956989250	0.737142857142857	0.839506172839506	0.647619047619048	35.23809523809520	82.66666666666670	17.33333333333330	64.76190476190480
62	66.07142857142860	65.86826347305390	0.667334096109840	0.733333333333333	0.597826086956522	40.21739130434780	73.68421052631580	26.31578947368420	59.78260869565220
63	72.6775956284153	73.11827956989250	0.727729885057471	0.755555555555556	0.708333333333333	29.16666666666670	74.71264367816090	25.28735632183910	70.83333333333330
64	70.83333333333330	72.0	0.707954545454545	0.724137931034483	0.715909090909091	28.40909090909090	70.0	30.0	71.5909090909091
65	71.65775401069520	73.36683417085430	0.717464170134073	0.760416666666667	0.708737864077670	29.12621359223300	72.61904761904760	27.38095238095240	70.87378640776700
66	66.48351648351650	69.95073891625620	0.671932495876158	0.771739130434783	0.639639639639640	36.03603603603600	70.4225352112676	29.57746478873240	63.96396396396400
67	70.49180327868850	69.31818181818180	0.705734767025090	0.734939759036145	0.655913978494624	34.40860215053760	75.55555555555560	24.44444444444440	65.59139784946240
68	72.0	72.31638418079100	0.727332804652392	0.8	0.659793814432990	34.02061855670100	79.48717948717950	20.51282051282050	65.97938144329900
69	68.53932584269660	68.18181818181820	0.685606060606061	0.697674418604651	0.666666666666667	33.33333333333330	70.45454545454550	29.54545454545450	66.66666666666670
70	70.1657458563536	70.0	0.711881188118812	0.797468354430380	0.623762376237624	37.62376237623760	80.0	20.0	62.37623762376240
71	70.9090909090909	71.08433734939760	0.710111863408890	0.7375	0.686046511627907	31.3953488372093	73.41772151898740	26.58227848101270	68.6046511627907
72	71.75141242937850	72.52747252747250	0.724358974358974	0.795180722891566	0.666666666666667	33.33333333333330	78.2051282051282	21.79487179487180	66.66666666666670
73	70.1086956521739	69.61325966850830	0.711262553802009	0.797468354430380	0.617647058823529	38.23529411764710	80.48780487804880	19.51219512195120	61.76470588235290
74	72.41379310344830	73.62637362637360	0.723412698412698	0.728260869565217	0.744444444444445	25.55555555555560	70.23809523809520	29.76190476190480	74.44444444444440
75	68.13186813186810	68.13186813186810	0.697835497835498	0.805194805194805	0.590476190476191	40.95238095238100	80.51948051948050	19.48051948051950	59.04761904761910
76	74.74226804123710	75.1269035532995	0.748057063770893	0.770833333333333	0.732673267326733	26.73267326732670	76.34408602150540	23.65591397849460	73.26732673267330
77	70.32967032967030	71.875	0.709935897435897	0.784090909090909	0.663461538461538	33.65384615384620	75.64102564102560	24.35897435897440	66.34615384615380
78	67.02702702702700	67.72486772486770	0.672069532534649	0.711111111111111	0.646464646464647	35.35353535353540	69.76744186046510	30.23255813953490	64.64646464646470
79	74.17582417582420	75.13227513227510	0.746546876909913	0.806818181818182	0.702970297029703	29.7029702970297	79.01234567901230	20.98765432098770	70.29702970297030
80	70.8108108108108	68.6046511627907	0.714813511611541	0.797297297297297	0.602040816326531	39.79591836734690	82.75862068965520	17.24137931034480	60.20408163265310
81	67.63005780346820	69.89247311827960	0.686962552011096	0.783132530120482	0.631067961165049	36.89320388349520	74.28571428571430	25.71428571428570	63.10679611650490
82	67.05202312138730	65.45454545454550	0.669919786096257	0.675	0.635294117647059	36.47058823529410	70.45454545454550	29.54545454545450	63.52941176470590
83	67.41573033707870	67.41573033707870	0.674242424242424	0.666666666666667	0.681818181818182	31.81818181818180	66.66666666666670	33.33333333333330	68.18181818181820
84	74.57627118644070	73.98843930635840	0.753086419753086	0.831168831168831	0.666666666666667	33.33333333333330	83.9506172839506	16.04938271604940	66.66666666666670
85	66.11111111111110	66.29834254143650	0.661254475861217	0.652173913043478	0.674157303370787	32.58426966292140	64.83516483516480	35.16483516483520	67.41573033707870
86	74.03314917127070	76.84729064039410	0.738636363636364	0.787878787878788	0.75	25.0	72.72727272727270	27.27272727272730	75.0
87	67.04545454545460	68.13186813186810	0.692452830188679	0.815789473684211	0.584905660377359	41.50943396226420	80.0	20.0	58.49056603773580
88	67.79661016949150	69.5187165775401	0.689212328767123	0.783132530120482	0.625	37.5	75.34246575342470	24.65753424657530	62.5
89	63.42857142857140	62.7906976744186	0.637883556254917	0.683544303797468	0.580645161290323	41.93548387096770	69.51219512195120	30.48780487804880	58.06451612903230
90	71.02272727272730	72.43243243243240	0.709612644124887	0.728260869565217	0.720430107526882	27.95698924731180	69.87951807228920	30.12048192771080	72.04301075268820
91	68.57142857142860	69.94535519125680	0.687763713080169	0.735632183908046	0.666666666666667	33.33333333333330	70.88607594936710	29.11392405063290	66.66666666666670
92	67.2514619883041	67.81609195402300	0.676178660049628	0.728395061728395	0.634408602150538	36.55913978494620	71.7948717948718	28.20512820512820	63.44086021505380
93	76.08695652173910	75.82417582417580	0.766131907308378	0.831325301204819	0.696969696969697	30.30303030303030	83.52941176470590	16.47058823529410	69.6969696969697
94	69.88636363636360	68.63905325443790	0.703394222049488	0.763157894736842	0.623655913978495	37.63440860215050	78.3132530120482	21.68674698795180	62.36559139784950
95	66.47727272727270	69.43005181347150	0.675402952729243	0.779069767441861	0.626168224299065	37.38317757009350	72.46376811594200	27.53623188405800	62.61682242990650
96	67.61363636363640	67.05202312138730	0.678312629399586	0.716049382716049	0.630434782608696	36.95652173913040	72.61904761904760	27.38095238095240	63.04347826086960
97	71.42857142857140	72.04301075268820	0.738846298856353	0.870129870129870	0.614678899082569	38.53211009174310	86.3013698630137	13.69863013698630	61.46788990825690
98	65.42553191489360	64.48087431693990	0.656575963718821	0.694117647058824	0.602040816326531	39.79591836734690	71.11111111111110	28.88888888888890	60.20408163265310
99	69.61325966850830	69.61325966850830	0.703888888888889	0.777777777777778	0.63	37.0	77.77777777777780	22.22222222222220	63.0
Mean	**70.48716131576840**	**71.10660863885450**	**70.96979007434640**	**76.4427996423034%**	**66.76423076957090**	**33.2357692304291**	**75.1753493791219**	**24.8246506208781**	**66.7642307695709**
Standard Deviation	2.74456383804250	3.13948182539336	2.713754737356130	4.516568592505594%	4.796441155391480	4.79644115539148	4.76660700305726	4.76660700305726	4.79644115539148
T Test Significance (Female to Male)									

Experiment 3.1.1 (Unbalanced training data, no feature selection) - Support Vector Classifier

		UB_Accuracy	UB_FScore	UB_ROC_AUC	UB_Precision	UB_Recall
0		76.4	74.23580786026200	0.764720942140297	0.825242718446602	0.674603174603175
1		81.6	81.4516129032258	0.816116231438812	0.827868852459016	0.801587301587302
2		76.4	73.30316742081450	0.763120839733743	0.835051546391753	0.653225806451613
3		74.0	73.68421052631580	0.741666666666667	0.777777777777778	0.7
4		80.80000000000000	80.95238095238100	0.808273565573771	0.822580645161290	0.796875
5		82.40000000000000	83.33333333333330	0.823314768580757	0.802919708029197	0.866141732283465
6		79.2	77.58620689655170	0.790505477609072	0.810810810810811	0.743801652892562
7		82.8	83.39768339768340	0.828582434514638	0.850393700787402	0.818181818181818
8		78.0	75.9825327510917	0.784615384615385	0.878787878787879	0.669230769230769
9		79.60000000000000	78.48101265822780	0.796	0.830357142857143	0.744
10		84.8	83.33333333333330	0.846050355564098	0.887850467289720	0.785123966942149
11		80.0	79.50819672131150	0.799820754113053	0.801652892561984	0.788617886178862
12		80.80000000000000	81.81818181818180	0.807034403228906	0.8	0.837209302325581
13		73.2	72.65306122448980	0.732902151639344	0.760683760683761	0.6953125
14		75.6	76.62835249042150	0.756755018013381	0.787401574803150	0.746268656716418
15		81.6	81.6	0.816470286885246	0.796875	0.836065573770492
16		79.2	79.36507936507940	0.794042116076014	0.833333333333333	0.757575757575758
17		82.8	82.15767634854770	0.828341013824885	0.860869565217391	0.785714285714286
18		80.4	78.96995708154510	0.802564102564103	0.814159292035398	0.766666666666667
19		79.2	79.36507936507940	0.799818840579710	0.877192982456140	0.724637681159420
20		78.0	75.77092511013220	0.777295803611593	0.781818181818182	0.735042735042735
21		78.0	79.24528301886790	0.779722079258878	0.801526717557252	0.783582089552239
22		76.8	79.28571428571430	0.763516568697113	0.776223776223776	0.810218978102190
23		81.2	79.4759825327511	0.812	0.875	0.728
24		77.2	76.5432098765432	0.772645797324115	0.801724137931035	0.732283464566929
25		80.4	79.83539094650210	0.803827444956477	0.815126050420168	0.782258064516129
26		78.0	78.4313725490196	0.780209933435740	0.763358778625954	0.806451612903226
27		82.8	83.5249042145594	0.827420594262295	0.819548872180451	0.8515625
28		82.0	83.14606741573030	0.819508448540707	0.787234042553192	0.880952380952381
29		82.0	83.39483394833950	0.818149785380229	0.795774647887324	0.875968992248062
30		80.80000000000000	81.25	0.808243727598566	0.787878787878788	0.838709677419355
31		72.40000000000000	71.60493827160500	0.728777070882334	0.790909090909091	0.654135338345865
32		80.0	79.50819672131150	0.8	0.815126050420168	0.776
33		79.60000000000000	79.6812749003984	0.796362704918033	0.813008130081301	0.78125
34		80.80000000000000	81.25	0.807822802637475	0.806201550387597	0.818897637795276
35		78.0	73.93364928909950	0.772774060730829	0.821052631578947	0.672413793103448
36		78.8	78.54251012145750	0.787954429083462	0.788617886178862	0.782258064516129
37		76.4	76.30522088353420	0.764259650470521	0.778688524590164	0.748031496062992
38		77.60000000000000	78.6259541984733	0.775744735490498	0.792307692307692	0.780303030303030
39		80.4	80.7843137254902	0.804487179487179	0.824	0.792307692307692
40		74.0	73.89558232931730	0.741346153846154	0.773109243697479	0.707692307692308
41		78.4	80.2919708029197	0.783282130056324	0.743243243243243	0.873015873015873
42		78.8	80.0	0.790307971014493	0.834645669291339	0.768115942028986
43		80.80000000000000	81.67938931297710	0.807556610430432	0.816793893129771	0.816793893129771
44		81.6	82.17054263565890	0.817299659404923	0.848	0.796992481203008
45		76.8	74.78260869565220	0.770363729508197	0.843137254901961	0.671875
46		79.60000000000000	76.7123287671233	0.791305186042028	0.823529411764706	0.717948717948718
47		77.2	74.66666666666670	0.772000000000000	0.84	0.672
48		80.4	80.63241106719370	0.804	0.796875	0.816
49		78.8	78.36734693877550	0.787890424987199	0.793388429752066	0.774193548387097
50		81.6	78.50467289719630	0.810853015811048	0.8	0.770642201834862
51		84.0	85.07462686567170	0.842504374878476	0.883720930232558	0.820143884892086
52		81.6	82.03125000000000	0.815860215053764	0.807692307692308	0.833333333333333
53		79.2	78.86178861788620	0.803110156809161	0.708029197080292	0.889908256880734
54		80.4	80.7843137254902	0.804000000000000	0.792307692307692	0.824
55		79.2	79.36507936507940	0.792948717948718	0.819672131147541	0.769230769230769
56		82.0	80.17621145374450	0.82	0.892156862745098	0.728
57		78.8	80.0	0.789894979508197	0.741258741258741	0.868852459016393
58		80.80000000000000	81.95488721804510	0.806928790983607	0.789855072463768	0.8515625
59		76.8	76.61290322580650	0.768634733606557	0.791666666666667	0.7421875
60		84.0	84.375	0.839907786885246	0.84375	0.84375
61		77.60000000000000	76.06837606837610	0.777016988566630	0.735537190082645	0.787610619469027
62		80.80000000000000	82.97872340425530	0.803707742639040	0.774834437086093	0.893129770992367
63		82.0	81.92771084337350	0.822354904982024	0.778625954198473	0.864406779661017
64		79.60000000000000	77.72925764192140	0.797548172332117	0.872549019607843	0.700787401574803
65		76.4	78.3882783882784	0.761229998072103	0.764285714285714	0.804511278195489
66		78.0	80.28673835125450	0.775799793601651	0.783216783216783	0.823529411764706
67		78.0	77.91164658634540	0.784354091610911	0.843478260869565	0.723880597014925
68		76.4	78.3882783882784	0.764784946236559	0.718120805369128	0.862903225806452
69		83.2	83.72093023255810	0.832000000000000	0.812030075187970	0.864
70		75.2	75.59055118110240	0.753283362162855	0.721804511278195	0.793388429752066
71		76.0	74.13793103448280	0.762167008196721	0.826923076923077	0.671875
72		78.8	78.18930041152260	0.788472640964783	0.766129032258065	0.798319327731093
73		77.2	77.47035573122530	0.772005633442161	0.777777777777778	0.771653543307087
74		81.6	81.30081300813010	0.815924219150026	0.819672131147541	0.806451612903226
75		80.80000000000000	80.16528925619840	0.808	0.829059829059829	0.776
76		77.2	78.81040892193310	0.770291112396376	0.779411764705882	0.796992481203008
77		78.8	78.88446215139440	0.793795149638803	0.860869565217391	0.727941176470588
78		84.40000000000000	85.39325842696630	0.844556243550052	0.870229007633588	0.838235294117647
79		82.0	82.49027237354090	0.820276497695853	0.796992481203008	0.854838709677419
80		79.2	80.30303030303030	0.792000000000000	0.762589928057554	0.848
81		80.4	78.41409691629950	0.802733499775943	0.855769230769231	0.723577235772358
82		80.0	81.06060606060610	0.799370826913200	0.810606060606061	0.810606060606061
83		75.6	74.8971193415638	0.758333333333333	0.805309734513274	0.7
84		78.4	78.57142857142860	0.787738577212262	0.733333333333333	0.846153846153846
85		81.2	81.42292490118580	0.81321673393555	0.780303030303030	0.851239669421488
86		79.2	78.33333333333330	0.792842967799757	0.831858407079646	0.740157480314961
87		75.6	75.6972111553785	0.759650025733402	0.811965811965812	0.708955223880597
88		80.0	81.06060606060610	0.801805840163934	0.753521126760563	0.877049180327869
89		82.40000000000000	80.7017543859649	0.821669125665533	0.844036697247707	0.773109243697479
90		78.4	79.54545454545460	0.784498207885305	0.75	0.846774193548387
91		78.8	79.6934865900383	0.787698412698413	0.770370370370370	0.825396825396825
92		80.0	79.83870967741940	0.799987199180748	0.798387096774194	0.798387096774194
93		82.8	82.73092369477910	0.828148005889508	0.817460317460317	0.837398373983740
94		81.6	81.74603174603180	0.816080916714679	0.824	0.811023622047244
95		76.4	76.49402390438250	0.764536372950820	0.744186046511628	0.786885245901639
96		79.60000000000000	80.1556420233463	0.801073195810038	0.735714285714286	0.880341880341880
97		79.60000000000000	77.13004484304930	0.795204632702193	0.754385964912281	0.788990825688073
98		81.2	81.12449799196790	0.812019969278034	0.808	0.814516129032258
99		81.2	81.12449799196790	0.812960471522839	0.841666666666667	0.782945736434109
	Mean	**79.404**	**79.2876419548158**	**79.4405696273066%**	**80.46477847294940**	**78.58966827757590**
	Standard Deviation	2.49734889736126	2.90699404637983	2.465009278909993%	3.946594943011090	6.013867295250980
	T Test Significance (Female to Male)					

	UB_F_Accuracy	UB_F_FScore	UB_F_ROC_AUC	UB_F_Precision	UB_F_Recall	UB_F_FNR	UB_F_TNR	UB_F_FPR	UB_F_TPR
0	79.72972972972970	73.6842105263158	0.784291187739464	0.75	0.724137931034483	27.58620689655170	84.44444444444440	15.55555555555560	72.41379310344830
1	83.78378378378380	77.77777777777780	0.838367346938776	0.724137931034483	0.84	16.0	83.6734693877551	16.3265306122449	84.0
2	78.75	63.82978723404260	0.734375	1.0	0.46875	53.125	100.0	0.0	46.875
3	75.71428571428570	72.1311475409836	0.757359125315391	0.6875	0.758620689655172	24.13793103448280	75.60975609756100	24.39024390243900	75.86206896551720
4	88.1578947368421	83.0188679245283	0.861607142857143	0.88	0.785714285714286	21.42857142857140	93.75	6.25	78.57142857142860
5	83.09859154929580	80.0	0.860434782608696	0.685714285714286	0.96	4.0	76.08695652173910	23.91304347826090	96.0
6	75.71428571428570	71.18644067796610	0.748966087675765	0.75	0.677419354838710	32.25806451612900	82.05128205128200	17.94871794871800	67.74193548387100
7	84.28571428571430	80.70175438596490	0.832506203473945	0.884615384615385	0.741935483870968	25.80645161290320	92.3076923076923	7.692307692307690	74.19354838709680
8	77.38095238095240	57.77777777777780	0.696865203761755	0.8125	0.448275862068966	55.17241379310340	94.54545454545460	5.454545454545450	44.82758620689660
9	82.75862068965520	79.16666666666670	0.834595959595960	0.730769230769231	0.863636363636364	13.63636363636360	80.55555555555560	19.44444444444440	86.36363636363640
10	87.5	81.81818181818180	0.854718981972429	0.857142857142857	0.782608695652174	21.73913043478260	92.6829268292683	7.317073170731710	78.26086956521740
11	85.71428571428570	83.0188679245283	0.861052631578947	0.785714285714286	0.88	12.0	84.21052631578950	15.78947368421050	88.0
12	82.43243243243240	79.36507936507940	0.821830457614404	0.78125	0.806451612903226	19.35483870967740	83.72093023255820	16.27906976744190	80.64516129032260
13	72.15189873417720	63.33333333333330	0.709137709137709	0.826086956521739	0.513513513513514	48.64864864864870	90.47619047619050	9.523809523809520	51.35135135135140
14	79.36507936507940	72.3404255319149	0.773148148148148	0.85	0.629629629629630	37.03703703703700	91.66666666666670	8.333333333333330	62.96296296296300
15	83.54430379746840	78.68852459016400	0.833793103448276	0.75	0.827586206896552	17.24137931034480	84.0	16.0	82.75862068965520
16	80.59701492537310	74.50980392156860	0.792213883677298	0.76	0.730769230769231	26.92307692307690	85.36585365853660	14.63414634146340	73.07692307692310
17	82.35294117647060	75.0	0.806818181818182	0.75	0.75	25.0	86.36363636363640	13.63636363636360	75.0
18	91.78082191780820	90.32258064516130	0.92015503875969	0.875	0.933333333333333	6.666666666666670	90.69767441860470	9.30232558139535	93.33333333333330
19	80.28169014084510	63.1578947368421	0.730769230769231	1.0	0.461538461538462	53.84615384615390	100.0	0.0	46.15384615384620
20	71.23287671232880	63.1578947368421	0.695348837209302	0.666666666666667	0.6	40.0	79.06976744186050	20.93023255813950	60.0
21	84.05797101449280	80.0	0.831881533101045	0.814814814814815	0.785714285714286	21.42857142857140	87.8048780487805	12.19512195121950	78.57142857142860
22	79.41176470588240	68.18181818181820	0.764822134387352	0.681818181818182	0.681818181818182	31.81818181818180	84.78260869565220	15.21739130434780	68.18181818181820
23	80.82191780821920	69.56521739130430	0.763492063492063	0.888888888888889	0.571428571428571	42.85714285714290	95.55555555555560	4.444444444444450	57.14285714285710
24	76.71232876712330	70.17543859649120	0.751524390243902	0.8	0.625	37.5	87.8048780487805	12.19512195121950	62.5
25	78.94736842105260	71.42857142857140	0.778533635676493	0.689655172413793	0.740740740740741	25.92592592592590	81.63265306122450	18.36734693877550	74.07407407407410
26	76.0	71.875	0.766116941529235	0.657142857142857	0.793103448275862	20.68965517241380	73.91304347826090	26.08695652173910	79.3103448275862
27	86.36363636363640	81.6326530612245	0.851219512195122	0.833333333333333	0.8	20.0	90.2439024390244	9.75609756097561	80.0
28	85.33333333333330	83.5820895522388	0.882978723404255	0.717948717948718	1.0	0.0	76.59574468085110	23.40425531914890	100.0
29	92.5925925925926	92.3076923076923	0.927172582619339	0.9	0.947368421052632	5.263157894736840	90.69767441860470	9.30232558139535	94.73684210526320
30	79.48717948717950	75.0	0.801548205489092	0.685714285714286	0.827586206896552	17.24137931034480	77.55102040816330	22.44897959183670	82.75862068965520
31	76.5625	72.72727272727270	0.785714285714286	1.0	0.571428571428571	42.85714285714290	100.0	0.0	57.14285714285710
32	82.85714285714290	71.42857142857140	0.816305469556244	0.652173913043478	0.789473684210526	21.05263157894740	84.31372549019610	15.68627450980390	78.94736842105260
33	85.07462686567170	82.14285714285720	0.843920145190563	0.851851851851852	0.793103448275862	20.68965517241380	89.47368421052630	10.52631578947370	79.3103448275862
34	80.59701492537310	74.50980392156860	0.792213883677298	0.76	0.730769230769231	26.92307692307690	85.36585365853660	14.63414634146340	73.07692307692310
35	78.48101265822780	56.41025641025640	0.692670537010160	0.846153846153846	0.423076923076923	57.69230769230770	96.22641509433960	3.773584905660380	42.30769230769230
36	82.66666666666670	79.36507936507940	0.818866571018652	0.862068965517241	0.735294117647059	26.47058823529410	90.2439024390244	9.75609756097561	73.52941176470590
37	76.0	67.85714285714290	0.738888888888889	0.730769230769231	0.633333333333333	36.66666666666670	84.44444444444440	15.55555555555560	63.33333333333330
38	77.5	76.31578947368420	0.774436090225564	0.763157894736842	0.763157894736842	23.68421052631580	78.57142857142860	21.42857142857140	76.31578947368420
39	86.56716417910450	84.7457627118644	0.862612612612613	0.862068965517241	0.833333333333333	16.66666666666670	89.1891891891892	10.81081081081080	83.33333333333330
40	77.33333333333330	72.1311475409836	0.762354651162791	0.758620689655172	0.6875	31.25	83.72093023255820	16.27906976744190	68.75
41	77.92207792207790	76.05633802816900	0.809267241379310	0.642857142857143	0.931034482758621	6.896551724137930	68.75	31.25	93.10344827586210
42	82.85714285714290	80.00000000000000	0.825	0.8	0.8	20.0	85.0	15.0	80.0
43	83.54430379746840	80.0	0.836021505376344	0.764705882352941	0.838709677419355	16.12903225806450	83.33333333333330	16.66666666666670	83.87096774193550
44	85.29411764705880	83.33333333333330	0.865401987353207	0.757575757575758	0.925925925925926	7.407407407407410	80.48780487804880	19.51219512195120	92.5925925925926
45	73.52941176470590	60.86956521739130	0.71875	1.0	0.4375	56.25	100.0	0.0	43.75
46	81.94444444444440	75.47169811320760	0.800324675324675	0.8	0.714285714285714	28.57142857142860	88.63636363636360	11.36363636363640	71.42857142857140
47	79.22077922077920	66.66666666666670	0.744612068965517	0.842105263157895	0.551724137931035	44.82758620689660	93.75	6.25	55.17241379310340
48	84.61538461538460	82.75862068965520	0.847490347490348	0.8	0.857142857142857	14.28571428571430	83.78378378378380	16.21621621621620	85.71428571428570
49	82.6086956521739	77.77777777777780	0.829090909090909	0.724137931034483	0.84	16.0	81.81818181818180	18.18181818181820	84.0
50	83.33333333333330	72.34042553191490	0.783571428571429	0.894736842105263	0.607142857142857	39.28571428571430	96.0	4.0	60.71428571428570
51	85.71428571428570	84.84848484848490	0.857142857142857	0.903225806451613	0.8	20.0	91.42857142857140	8.571428571428570	80.0
52	73.01587301587300	69.0909090909091	0.735263157894737	0.633333333333333	0.76	24.0	71.05263157894740	28.94736842105260	76.0
53	73.86363636363640	66.66666666666670	0.793333333333333	0.522727272727273	0.92	8.0	66.66666666666670	33.33333333333330	92.0
54	83.33333333333330	80.0	0.842439024390244	0.733333333333333	0.88	12.0	80.48780487804880	19.51219512195120	88.0
55	85.71428571428570	80.0	0.851449275362319	0.769230769230769	0.833333333333333	16.66666666666670	86.95652173913040	13.04347826086960	83.33333333333330
56	81.94444444444440	68.29268292682930	0.758723404255319	0.875	0.56	44.0	95.74468085106380	4.25531914893617	56.00000000000000
57	83.56164383561640	81.25	0.836021505376344	0.787878787878788	0.838709677419355	16.12903225806450	83.33333333333330	16.66666666666670	83.87096774193550
58	82.85714285714290	82.3529411764706	0.836228287841191	0.756756756756757	0.903225806451613	9.67741935483871	76.92307692307690	23.07692307692310	90.32258064516130
59	74.28571428571430	70.0	0.736145574855252	0.724137931034483	0.677419354838710	32.25806451612900	79.48717948717950	20.51282051282050	67.74193548387100
60	90.66666666666670	86.79245283018870	0.901491365777080	0.851851851851852	0.884615384615385	11.53846153846150	91.83673469387760	8.16326530612245	88.46153846153850
61	85.07462686567170	79.16666666666670	0.865424430641822	0.703703703703704	0.904761904761905	9.523809523809520	82.6086956521739	17.39130434782610	90.47619047619050
62	82.85714285714290	82.35294117647060	0.848612279226241	0.717948717948718	0.965517241379310	3.448275862068970	73.17073170731710	26.82926829268290	96.55172413793100
63	90.76923076923080	88.0	0.930232558139535	0.785714285714286	1.0	0.0	86.04651162790700	13.95348837209300	100.0
64	77.27272727272730	72.72727272727270	0.768382352941177	0.869565217391304	0.625	37.5	91.17647058823530	8.823529411764710	62.5
65	81.25	78.57142857142860	0.812812812812813	0.758620689655172	0.814814814814815	18.51851851851850	81.08108108108110	18.91891891891890	81.48148148148150
66	75.0	66.66666666666670	0.755928853754941	0.586206896551724	0.772727272727273	22.72727272727270	73.91304347826090	26.08695652173910	77.27272727272730
67	89.23076923076920	85.71428571428570	0.8825	0.875	0.84	16.0	92.5	7.5	84.0
68	67.64705882352940	63.33333333333330	0.702651515151515	0.527777777777778	0.791666666666667	20.83333333333330	61.36363636363640	38.63636363636360	79.16666666666670
69	82.27848101265820	78.7878787878788	0.838275862068966	0.702702702702703	0.896551724137931	10.34482758620690	78.0	22.0	89.65517241379310
70	80.0	76.19047619047620	0.811550151975684	0.685714285714286	0.857142857142857	14.28571428571430	76.59574468085110	23.40425531914890	85.71428571428570
71	73.68421052631580	62.96296296296300	0.711064129668781	0.809523809523810	0.515151515151515	48.48484848484850	90.69767441860470	9.30232558139535	51.51515151515150
72	73.84615384615390	71.18644067796610	0.739864864864865	0.677419354838710	0.75	25.0	72.97297297297300	27.02702702702700	75.0
73	86.07594936708860	83.58208955223880	0.859025032938076	0.823529411764706	0.848484848484849	15.15151515151520	86.95652173913040	13.04347826086960	84.84848484848480
74	84.21052631578950	79.3103448275862	0.832721936903889	0.793103448275862	0.793103448275862	20.68965517241380	87.2340425531915	12.76595744680850	79.3103448275862
75	80.82191780821920	75.0	0.791090629800307	0.84	0.677419354838710	32.25806451612900	90.47619047619050	9.523809523809520	67.74193548387100
76	79.6875	79.36507936507940	0.796875	0.806451612903226	0.78125	21.875	81.25	18.75	78.125
77	81.15942028985510	73.46938775510210	0.784843205574913	0.857142857142857	0.642857142857143	35.71428571428570	92.6829268292683	7.317073170731710	64.28571428571430
78	88.88888888888890	86.20689655172410	0.889610389610390	0.833333333333333	0.892857142857143	10.71428571428570	88.63636363636360	11.36363636363640	89.28571428571430
79	76.0	73.52941176470590	0.807299843014129	0.595238095238095	0.961538461538462	3.846153846153850	65.3061224489796	34.69387755102040	96.15384615384620
80	80.28169014084510	75.86206896551720	0.805134680134680	0.709677419354839	0.814814814814815	18.51851851851850	79.54545454545460	20.45454545454550	81.48148148148150
81	82.43243243243240	71.11111111111110	0.776442307692308	0.842105263157895	0.615384615384615	38.46153846153850	93.75	6.25	61.53846153846150
82	80.59701492537310	75.47169811320760	0.804761904761905	0.714285714285714	0.8	20.0	80.95238095238100	19.04761904761900	80.0
83	81.25	77.77777777777780	0.805882352941176	0.875	0.7	30.0	91.17647058823530	8.823529411764710	70.0
84	78.08219178082190	75.0	0.803140096618358	0.648648648648649	0.888888888888889	11.11111111111110	71.73913043478260	28.26086956521740	88.88888888888890
85	83.07692307692310	79.24528301886790	0.839939024390244	0.724137931034483	0.875	12.5	80.48780487804880	19.51219512195120	87.5
86	82.6086956521739	75.0	0.797619047619048	0.857142857142857	0.666666666666667	33.33333333333330	92.85714285714290	7.142857142857140	66.66666666666670
87	80.3030303030303	72.34042553191490	0.777255639097744	0.894736842105263	0.607142857142857	39.28571428571430	94.73684210526320	5.263157894736840	60.71428571428570
88	84.72222222222220	79.24528301886790	0.864685004436557	0.7	0.913043478260870	8.695652173913040	81.63265306122450	18.36734693877550	91.30434782608700
89	85.52631578947370	77.55102040816330	0.825384615384616	0.826086956521739	0.730769230769231	26.92307692307690	92.0	8.0	73.07692307692310
90	76.71232876712330	71.1864406779661	0.784583333333333	0.617647058823529	0.84	16.0	72.91666666666670	27.08333333333330	84.0
91	86.48648648648650	82.14285714285710	0.856366459627329	0.821428571428571	0.821428571428571	17.85714285714290	89.13043478260870	10.86956521739130	82.14285714285710
92	81.53846153846150	80.0	0.816761363636364	0.888888888888889	0.727272727272727	27.27272727272730	90.625	9.375	72.72727272727270
93	88.73239436619720	87.09677419354840	0.885483870967742	0.870967741935484	0.870967741935484	12.90322580645160	90.0	10.0	87.09677419354840
94	91.80327868852460	88.8888888888889	0.939024390243902	0.8	1.0	0.0	87.8048780487805	12.19512195121950	100.0
95	85.91549295774650	80.76923076923080	0.863031914893617	0.75	0.875	12.5	85.1063829787234	14.89361702127660	87.5
96	83.82352941176470	78.43137254901960	0.845893719806763	0.714285714285714	0.869565217391304	13.04347826086960	82.22222222222220	17.77777777777780	86.95652173913040
97	78.75	69.0909090909091	0.755431204739961	0.791666666666667	0.612903225806452	38.70967741935480	89.79591836734690	10.20408163265310	61.29032258064520
98	85.52631578947370	82.53968253968250	0.852688172043011	0.8125	0.838709677419355	16.12903225806450	86.66666666666670	13.33333333333330	83.87096774193550
99	81.81818181818180	78.12500000000000	0.816269284712482	0.757575757575758	0.806451612903226	19.35483870967740	82.6086956521739	17.39130434782610	80.64516129032260
Mean	**81.5526306498671**	**76.029371312013**	**80.90793928724451%**	**78.0123521012167%**	**76.6827739787778%**	**23.3172260212222**	**85.1331045957123**	**14.8668954042877**	**76.6827739787778**
Standard Deviation	4.79720474490492	7.18180184663061	5.463500223792216%	9.483234779059909%	13.4675850265288%	13.4675850265288	7.88886803820242	7.88886803820242	13.4675850265288
T Test Significance (Female to Male)	**0.018229380910461**	**0.000006303264316**	**8.40212163022413%**	**0.10661622888339%**	**4.01632521221236%**	**0.081897049444585**	**0.000000247056858**	**0.000000000000852**	**0.040163252122122**

	UB_M_Accuracy	UB_M_FScore	UB_M_ROC_AUC	UB_M_Precision	UB_M_Recall	UB_M_FNR	UB_M_TNR	UB_M_FPR	UB_M_TPR
0	75.0	74.4186046511628	0.760276654051938	0.853333333333333	0.659793814432990	34.02061855670100	86.07594936708860	13.92405063291140	65.97938144329900
1	80.68181818181820	82.47422680412370	0.809372937293729	0.860215053763441	0.792079207920792	20.79207920792080	82.66666666666670	17.33333333333330	79.20792079207920
2	75.29411764705880	75.86206896551720	0.756131549609811	0.804878048780488	0.717391304347826	28.26086956521740	79.48717948717950	20.51282051282050	71.73913043478260
3	73.33333333333330	74.19354838709680	0.740318335631032	0.811764705882353	0.683168316831683	31.68316831683170	79.74683544303800	20.25316455696200	68.31683168316830
4	77.58620689655170	80.40201005025130	0.771621621621622	0.808080808080808	0.8	20.0	74.32432432432430	25.67567567567570	80.0
5	82.12290502793300	84.31372549019610	0.817672523554877	0.843137254901961	0.843137254901961	15.68627450980390	79.22077922077920	20.77922077922080	84.31372549019610
6	80.55555555555560	79.76878612716760	0.805555555555556	0.831325301204819	0.766666666666667	23.33333333333330	84.44444444444440	15.55555555555560	76.66666666666670
7	82.22222222222220	84.15841584158420	0.819526256423111	0.841584158415842	0.841584158415842	15.84158415841580	79.74683544303800	20.25316455696200	84.15841584158420
8	78.3132530120482	80.43478260869570	0.797105864432597	0.891566265060241	0.732673267326733	26.73267326732670	86.15384615384620	13.84615384615380	73.26732673267330
9	78.64583333333330	78.30687830687830	0.791807570633795	0.860465116279070	0.718446601941748	28.15533980582520	86.51685393258430	13.48314606741570	71.84466019417480
10	83.87096774193550	83.69565217391300	0.841720779220779	0.895348837209302	0.785714285714286	21.42857142857140	89.77272727272730	10.22727272727270	78.57142857142860
11	78.07486631016040	78.53403141361260	0.781529465718872	0.806451612903226	0.765306122448980	23.46938775510200	79.7752808988764	20.22471910112360	76.53061224489800
12	80.11363636363640	82.5870646766169	0.795264259549974	0.805825242718447	0.846938775510204	15.30612244897960	74.35897435897440	25.64102564102560	84.6938775510204
13	73.68421052631580	75.67567567567570	0.734615384615385	0.744680851063830	0.769230769230769	23.07692307692310	70.0	30.0	76.92307692307690
14	74.33155080213900	77.57009345794390	0.737850467289720	0.775700934579439	0.775700934579439	22.42990654205610	70.0	30.0	77.57009345794390
15	80.7017543859649	82.53968253968250	0.803970223325062	0.8125	0.838709677419355	16.12903225806450	76.92307692307690	23.07692307692310	83.87096774193550
16	78.68852459016390	80.59701492537310	0.791166380789022	0.852631578947368	0.764150943396227	23.58490566037740	81.81818181818180	18.18181818181820	76.41509433962260
17	82.96703296703300	83.93782383419690	0.834558823529412	0.890109890109890	0.794117647058824	20.58823529411760	87.5	12.5	79.41176470588240
18	75.70621468926550	74.85380116959060	0.757854406130268	0.790123456790123	0.711111111111111	28.88888888888890	80.45977011494250	19.54022988505750	71.11111111111110
19	78.77094972067040	82.24299065420560	0.788379530916844	0.862745098039216	0.785714285714286	21.42857142857140	79.1044776119403	20.8955223880597	78.57142857142860
20	80.7909604519774	80.0	0.807471264367816	0.819277108433735	0.781609195402299	21.83908045977010	83.33333333333330	16.66666666666670	78.16091954022990
21	75.69060773480660	79.04761904761910	0.751509433962264	0.798076923076923	0.783018867924528	21.69811320754720	72.0	28.00000000000000	78.30188679245280
22	75.82417582417580	81.35593220338980	0.730824140168722	0.793388429752066	0.834782608695652	16.52173913043480	62.68656716417910	37.3134328358209	83.47826086956520
23	81.35593220338980	81.9672131147541	0.81784793814433	0.872093023255814	0.773195876288660	22.68041237113400	86.25	13.75000000000000	77.31958762886600
24	77.40112994350280	78.49462365591400	0.774454428754814	0.802197802197802	0.768421052631579	23.15789473684210	78.04878048780490	21.95121951219510	76.84210526315790
25	81.03448275862070	82.35294117647060	0.812491632079261	0.855555555555556	0.793814432989691	20.61855670103090	83.11688311688310	16.88311688311690	79.38144329896910
26	78.85714285714290	80.6282722513089	0.786513157894737	0.802083333333333	0.810526315789474	18.94736842105260	76.25	23.75	81.05263157894740
27	81.52173913043480	83.9622641509434	0.808582044828000	0.816513761467890	0.864077669902913	13.59223300970870	75.30864197530870	24.69135802469140	86.40776699029130
28	80.57142857142860	83.00000000000000	0.800092764378479	0.813725490196078	0.846938775510204	15.30612244897960	75.32467532467530	24.67532467532470	84.6938775510204
29	76.92307692307690	79.79274611398960	0.762820512820513	0.754901960784314	0.846153846153846	15.38461538461540	67.94871794871800	32.05128205128210	84.61538461538460
30	81.3953488372093	83.33333333333330	0.810663021189337	0.824742268041237	0.842105263157895	15.78947368421050	77.92207792207790	22.07792207792210	84.21052631578950
31	70.96774193548390	71.27659574468090	0.711154916512059	0.744444444444445	0.683673469387755	31.63265306122450	73.86363636363640	26.13636363636360	68.36734693877550
32	78.88888888888890	81.18811881188120	0.792197858235594	0.854166666666667	0.773584905660377	22.64150943396230	81.08108108108110	18.91891891891890	77.35849056603770
33	77.59562841530050	78.97435897435900	0.775793650793651	0.802083333333333	0.777777777777778	22.22222222222220	77.38095238095240	22.61904761904760	77.77777777777780
34	80.87431693989070	82.92682926829270	0.804938420671335	0.817307692307692	0.841584158415842	15.84158415841580	76.82926829268290	23.17073170731710	84.15841584158420
35	77.77777777777780	77.90697674418610	0.779629629629630	0.817073170731707	0.744444444444445	25.55555555555560	81.48148148148150	18.51851851851850	74.44444444444440
36	77.14285714285720	78.26086956521740	0.770588235294118	0.765957446808511	0.8	20.0	74.11764705882350	25.88235294117650	80.0
37	76.57142857142860	78.75647668393780	0.763547449114459	0.791666666666667	0.783505154639175	21.64948453608250	74.35897435897440	25.64102564102560	78.35051546391750
38	77.64705882352940	79.5698924731183	0.775195968645017	0.804347826086957	0.787234042553192	21.27659574468090	76.31578947368420	23.68421052631580	78.72340425531920
39	78.14207650273220	79.59183673469390	0.781566265060241	0.8125	0.78	22.0	78.3132530120482	21.68674698795180	78.0
40	72.57142857142860	74.46808510638300	0.727272727272727	0.777777777777778	0.714285714285714	28.57142857142860	74.02597402597400	25.97402597402600	71.42857142857140
41	78.61271676300580	81.77339901477830	0.776519262072708	0.783018867924528	0.855670103092784	14.43298969072160	69.73684210526320	30.26315789473680	85.56701030927830
42	77.22222222222220	80.0	0.775462962962963	0.845360824742268	0.759259259259259	24.07407407407410	79.16666666666670	20.83333333333330	75.92592592592590
43	79.53216374269010	82.23350253807110	0.792323943661972	0.835051546391753	0.81	19.0	77.46478873239440	22.53521126760560	81.0
44	80.21978021978020	81.81818181818180	0.809707050645482	0.880434782608696	0.764150943396227	23.58490566037740	85.52631578947370	14.47368421052630	76.41509433962260
45	78.02197802197800	78.26086956521740	0.781976744186047	0.818181818181818	0.75	25.0	81.3953488372093	18.6046511627907	75.0
46	78.65168539325840	77.10843373493980	0.786516853932584	0.831168831168831	0.719101123595506	28.08988764044940	85.39325842696630	14.60674157303370	71.91011235955060
47	76.30057803468210	76.8361581920904	0.769751082251083	0.839506172839506	0.708333333333333	29.16666666666670	83.11688311688310	16.88311688311690	70.83333333333330
48	78.91891891891890	80.0	0.788425492033740	0.795918367346939	0.804123711340206	19.58762886597940	77.27272727272730	22.72727272727270	80.41237113402060
49	77.34806629834250	78.53403141361260	0.775129342202513	0.815217391304348	0.757575757575758	24.24242424242420	79.26829268292680	20.73170731707320	75.75757575757580
50	80.81395348837210	80.23952095808380	0.809184642517976	0.779069767441861	0.827160493827161	17.28395061728400	79.12087912087910	20.87912087912090	82.71604938271610
51	83.33333333333330	85.14851485148510	0.834514170040486	0.877551020408163	0.826923076923077	17.30769230769230	84.21052631578950	15.78947368421050	82.6923076923077
52	84.49197860962570	85.57213930348260	0.844347225420216	0.86	0.851485148514852	14.85148514851490	83.72093023255820	16.27906976744190	85.14851485148520
53	82.09876543209880	83.61581920903950	0.818681318681319	0.795698924731183	0.880952380952381	11.90476190476190	75.64102564102560	24.35897435897440	88.09523809523810
54	79.34782608695650	81.0	0.791904761904762	0.81	0.81	19.0	77.38095238095240	22.61904761904760	81.0
55	76.66666666666670	79.20792079207920	0.769250382457930	0.833333333333333	0.754716981132076	24.52830188679250	78.37837837837840	21.62162162162160	75.47169811320760
56	82.02247191011240	82.79569892473120	0.827307692307692	0.895348837209302	0.77	23.0	88.46153846153850	11.53846153846150	77.0
57	76.8361581920904	79.60199004975130	0.765141834909277	0.727272727272727	0.879120879120879	12.08791208791210	65.11627906976740	34.88372093023260	87.91208791208790
58	80.0	81.81818181818180	0.797043845485033	0.801980198019802	0.835051546391753	16.49484536082470	75.90361445783130	24.09638554216870	83.50515463917530
59	77.77777777777780	78.72340425531910	0.779033660414855	0.813186813186813	0.762886597938144	23.71134020618560	79.51807228915660	20.48192771084340	76.28865979381440
60	81.14285714285710	83.74384236453200	0.807077625570776	0.841584158415842	0.833333333333333	16.66666666666670	78.08219178082190	21.91780821917810	83.33333333333330
61	74.86338797814210	75.26881720430110	0.748566650740564	0.744680851063830	0.760869565217391	23.91304347826090	73.62637362637360	26.37362637362640	76.08695652173910
62	80.0	83.17757009345790	0.788838612368024	0.794642857142857	0.872549019607843	12.74509803921570	70.51282051282050	29.48717948717950	87.25490196078430
63	78.91891891891890	80.40201005025130	0.787453183520599	0.776699029126214	0.833333333333333	16.66666666666670	74.15730337078650	25.84269662921350	83.33333333333330
64	80.43478260869570	79.3103448275862	0.806978119455943	0.873417721518987	0.726315789473684	27.36842105263160	88.76404494382020	11.23595505617980	72.63157894736840
65	74.73118279569890	78.3410138248848	0.738443396226415	0.765765765765766	0.801886792452830	19.81132075471700	67.5	32.5	80.18867924528300
66	79.12087912087910	83.33333333333330	0.776960784313726	0.833333333333333	0.833333333333333	16.66666666666670	72.05882352941180	27.94117647058820	83.33333333333330
67	74.05405405405410	76.00000000000000	0.749939642684693	0.835164835164835	0.697247706422018	30.27522935779820	80.26315789473690	19.73684210526320	69.72477064220180
68	79.67032967032970	82.62910798122070	0.787560975609756	0.778761061946903	0.88	12.0	69.51219512195120	30.48780487804880	88.0
69	83.62573099415210	85.41666666666670	0.83375	0.854166666666667	0.854166666666667	14.58333333333330	81.33333333333330	18.66666666666670	85.41666666666670
70	73.14285714285710	75.39267015706810	0.728560188827695	0.734693877551020	0.774193548387097	22.58064516129030	68.29268292682930	31.70731707317070	77.41935483870970
71	77.01149425287360	77.52808988764050	0.774550299800133	0.831325301204819	0.726315789473684	27.36842105263160	82.27848101265820	17.72151898734180	72.63157894736840
72	80.54054054054050	80.43478260869570	0.805529576806173	0.795698924731183	0.813186813186813	18.68131868131870	79.7872340425532	20.21276595744680	81.31868131868130
73	73.09941520467840	75.26881720430110	0.729483282674772	0.760869565217391	0.744680851063830	25.53191489361700	71.42857142857140	28.57142857142860	74.46808510638300
74	80.45977011494250	81.91489361702130	0.803997335109927	0.827956989247312	0.810526315789474	18.94736842105260	79.74683544303800	20.25316455696200	81.05263157894740
75	80.7909604519774	81.72043010752690	0.807869776980262	0.826086956521739	0.808510638297872	19.14893617021280	80.72289156626510	19.27710843373490	80.85106382978720
76	76.34408602150540	78.64077669902910	0.759813628421666	0.771428571428572	0.801980198019802	19.80198019801980	71.76470588235290	28.23529411764710	80.19801980198020
77	77.90055248618790	80.1980198019802	0.785958904109589	0.861702127659574	0.75	25.0	82.1917808219178	17.80821917808220	75.0
78	82.58426966292130	85.16746411483250	0.826322751322751	0.881188118811881	0.824074074074074	17.59259259259260	82.85714285714290	17.14285714285710	82.4074074074074
79	84.57142857142860	85.71428571428570	0.848330241187384	0.890109890109890	0.826530612244898	17.34693877551020	87.01298701298700	12.98701298701300	82.6530612244898
80	78.77094972067040	81.55339805825240	0.780423280423281	0.777777777777778	0.857142857142857	14.28571428571430	70.37037037037040	29.62962962962960	85.71428571428570
81	79.54545454545460	80.21978021978020	0.800339292705207	0.858823529411765	0.752577319587629	24.74226804123710	84.81012658227850	15.18987341772150	75.25773195876290
82	79.78142076502730	82.46445497630330	0.794699950811608	0.836538461538462	0.813084112149533	18.69158878504670	77.63157894736840	22.36842105263160	81.30841121495330
83	73.65591397849460	74.07407407407410	0.739534883720930	0.786516853932584	0.7	30.0	77.90697674418610	22.09302325581400	70.0
84	78.53107344632770	79.7872340425532	0.784482758620690	0.765306122448980	0.833333333333333	16.66666666666670	73.5632183908046	26.43678160919540	83.33333333333330
85	80.54054054054050	82.0	0.803362230552952	0.796116504854369	0.845360824742268	15.46391752577320	76.13636363636360	23.86363636363640	84.5360824742268
86	77.90055248618790	79.16666666666670	0.781234567901235	0.826086956521739	0.76	24.0	80.24691358024690	19.75308641975310	76.0
87	73.91304347826090	76.47058823529410	0.739719400096759	0.795918367346939	0.735849056603774	26.41509433962260	74.35897435897440	25.64102564102560	73.58490566037740
88	78.08988764044940	81.51658767772510	0.769786472318118	0.767857142857143	0.868686868686869	13.13131313131310	67.08860759493670	32.91139240506330	86.86868686868690
89	81.03448275862070	81.56424581005590	0.812226204699323	0.848837209302326	0.784946236559140	21.50537634408600	83.9506172839506	16.04938271604940	78.49462365591400
90	79.09604519774010	81.95121951219510	0.783216783216783	0.792452830188679	0.848484848484849	15.15151515151520	71.7948717948718	28.20512820512820	84.84848484848480
91	75.56818181818180	79.02439024390240	0.746598639455782	0.757009345794393	0.826530612244898	17.34693877551020	66.66666666666670	33.33333333333330	82.6530612244898
92	79.45945945945950	79.78723404255320	0.795066635492167	0.773195876288660	0.824175824175824	17.58241758241760	76.59574468085110	23.40425531914890	82.41758241758240
93	80.44692737430170	81.28342245989310	0.803848075962019	0.8	0.826086956521739	17.39130434782610	78.16091954022990	21.83908045977010	82.6086956521739
94	78.3068783068783	80.19323671497580	0.784191930704354	0.83	0.775700934579439	22.42990654205610	79.26829268292680	20.73170731707320	77.57009345794390
95	72.62569832402240	75.37688442211060	0.722159234063996	0.742574257425743	0.765306122448980	23.46938775510200	67.90123456790120	32.09876543209880	76.53061224489800
96	78.02197802197800	80.58252427184470	0.776716634429400	0.741071428571429	0.882978723404255	11.70212765957450	67.04545454545460	32.95454545454550	88.29787234042550
97	80.0	79.76190476190480	0.804487179487179	0.744444444444445	0.858974358974359	14.10256410256410	75.0	25.0	85.8974358974359
98	79.3103448275862	80.64516129032260	0.792114695340502	0.806451612903226	0.806451612903226	19.35483870967740	77.77777777777780	22.22222222222220	80.64516129032260
99	80.92485549132950	82.16216216216220	0.814421768707483	0.873563218390805	0.775510204081633	22.44897959183670	85.33333333333330	14.66666666666670	77.55102040816330
Mean	**78.5695840913929**	**80.1689773524819**	**78.4982919122398%**	**81.4194669957217%**	**79.26309523997670**	**20.7369047600233**	**77.73348858450280**	**22.2665114154972**	**79.2630952399767**
Standard Deviation	2.85016018457375	2.93574476556375	2.91512331496049%	4.08587394776946%	5.042569353657050	5.04256935365705	5.84950513145123	5.84950513145123	5.04256935365705
T Test Significance (Female to Male)									

Experiment 3.1.1 (Unbalanced training data, no feature selection) - Gaussian Naive Bayes Classifier

		UB_Accuracy	UB_FScore	UB_ROC_AUC	UB_Precision	UB_Recall	UB_F_Accuracy	UB_F_FScore	UB_F_ROC_AUC	UB_F_Precision	UB_F_Recall	UB_F_FNR	UB_F_TNR	UB_F_FPR	UB_F_TPR	UB_M_Accuracy	UB_M_FScore	UB_M_ROC_AUC	UB_M_Precision	UB_M_Recall	UB_M_FNR	UB_M_TNR	UB_M_FPR	UB_M_TPR
0		69.6	60.0	0.696	0.876923076923077	0.456	73.23943661971830	55.81395348837210	0.687804878048780	0.923076923076923	0.4	60.0	97.5609756097561	2.439024390243900	40.0	68.15642458100560	61.22448979591840	0.695175438596491	0.865384615384615	0.473684210526316	52.63157894736840	91.66666666666670	8.333333333333330	47.36842105263160
1		77.2	71.06598984771570	0.761551314182893	0.875	0.598290598290598	77.46478873239440	55.55555555555560	0.692307692307692	1.0	0.384615384615385	61.53846153846150	100.0	0.0	38.46153846153850	77.09497206703910	74.53416149068320	0.772852147852148	0.857142857142857	0.659340659340659	34.06593406593410	88.63636363636360	11.36363636363640	65.93406593406590
2		69.6	63.8095238095238	0.703525641025641	0.8375	0.515384615384615	75.67567567567570	55.00000000000000	0.689655172413793	1.0	0.379310344827586	62.06896551724140	100.0	0.0	37.93103448275860	67.04545454545460	65.88235294117650	0.690561056105611	0.811594202898551	0.554455445544555	44.55445544554460	82.66666666666670	17.33333333333330	55.44554455445550
3		72.40000000000000	68.20276497695850	0.748169032341694	0.948717948717949	0.532374100719425	76.38888888888890	56.41025641025640	0.692592592592593	0.916666666666667	0.407407407407407	59.25925925925930	97.77777777777780	2.222222222222220	40.74074074074070	70.78651685393260	70.7865168539326	0.758522727272727	0.954545454545455	0.5625	43.75	95.45454545454550	4.545454545454550	56.25
4		73.2	67.6328502415459	0.736552254098361	0.886075949367089	0.546875	76.47058823529410	56.52173913043480	0.691158900836320	0.866666666666667	0.419354838709677	58.06451612903230	96.29629629629630	3.703703703703700	41.93548387096770	71.51515151515150	70.80745341614910	0.742343844754397	0.890625	0.587628865979382	41.23711340206190	89.70588235294120	10.29411764705880	58.76288659793820
5		71.6	66.35071090047390	0.710148181409969	0.760869565217391	0.588235294117647	71.21212121212120	38.70967741935480	0.598412698412698	0.6	0.285714285714286	71.42857142857140	91.11111111111110	8.88888888888889	28.57142857142860	71.73913043478260	71.1111111111111	0.721879449454200	0.780487804878049	0.653061224489796	34.69387755102040	79.06976744186050	20.93023255813950	65.3061224489796
6		68.0	63.30275229357800	0.696658926728586	0.841463414634146	0.507352941176471	67.64705882352940	50.0	0.643859649122807	0.785714285714286	0.366666666666667	63.33333333333330	92.10526315789470	7.894736842105260	36.66666666666670	68.13186813186810	66.66666666666670	0.707795431976167	0.852941176470588	0.547169811320755	45.28301886792450	86.8421052631579	13.15789473684210	54.71698113207550
7		74.0	67.98029556650250	0.737180718263876	0.8625	0.560975609756098	81.15942028985510	66.66666666666670	0.75	1.0	0.5	50.0	100.0	0.0	50.0	71.27071823204420	68.29268292682930	0.723183603338243	0.835820895522388	0.577319587628866	42.2680412371134	86.90476190476190	13.09523809523810	57.73195876288660
8		72.40000000000000	68.4931506849315	0.734946340209498	0.872093023255814	0.563909774436090	73.01587301587300	51.42857142857140	0.673076923076923	1.0	0.346153846153846	65.38461538461540	100.0	0.0	34.61538461538460	72.19251336898400	71.7391304347826	0.739661214953271	0.857142857142857	0.616822429906542	38.31775700934580	86.25	13.75000000000000	61.6822429906542
9		71.2	65.38461538461540	0.714871006977786	0.839506172839506	0.535433070866142	73.52941176470590	43.75000000000000	0.629951690821256	0.777777777777778	0.304347826086957	69.56521739130430	95.55555555555560	4.444444444444450	30.43478260869570	70.32967032967030	69.31818181818180	0.722756410256410	0.847222222222222	0.586538461538462	41.34615384615390	85.8974358974359	14.10256410256410	58.65384615384620
10		72.0	61.95652173913040	0.710576923076923	0.890625	0.475	68.35443037974680	46.80851063829790	0.645779220779221	0.916666666666667	0.314285714285714	68.57142857142860	97.72727272727270	2.272727272727270	31.42857142857140	73.68421052631580	67.15328467153290	0.735704514363885	0.884615384615385	0.541176470588235	45.88235294117650	93.02325581395350	6.976744186046510	54.11764705882350
11		73.6	64.51612903225810	0.722575669944091	0.869565217391304	0.512820512820513	76.25	57.77777777777780	0.699473337722186	0.928571428571429	0.419354838709677	58.06451612903230	97.95918367346940	2.040816326530610	41.93548387096770	72.35294117647060	66.66666666666670	0.725636766334441	0.854545454545455	0.546511627906977	45.34883720930230	90.47619047619050	9.523809523809520	54.65116279069770
12		71.2	64.0	0.721153846153846	0.914285714285714	0.492307692307692	68.75	44.44444444444440	0.634634634634635	0.888888888888889	0.296296296296296	70.37037037037040	97.2972972972973	2.702702702702700	29.62962962962960	72.04301075268820	68.29268292682930	0.741724178266464	0.918032786885246	0.543689320388350	45.63106796116510	93.97590361445780	6.024096385542170	54.36893203883500
13		74.0	67.33668341708540	0.731894284431330	0.8375	0.563025210084034	83.09859154929580	68.42105263157900	0.761775362318841	0.866666666666667	0.565217391304348	43.47826086956520	95.83333333333330	4.166666666666670	56.52173913043480	70.39106145251400	67.0807453416149	0.714984939759036	0.830769230769231	0.5625	43.75	86.74698795180720	13.25301204819280	56.25
14		68.0	61.90476190476190	0.697262479871176	0.866666666666667	0.481481481481481	62.85714285714290	40.90909090909090	0.618464052287582	0.9	0.264705882352941	73.52941176470590	97.22222222222220	2.777777777777780	26.47058823529410	70.0	67.46987951807230	0.720265697455822	0.861538461538462	0.554455445544555	44.55445544554460	88.60759493670890	11.39240506329110	55.44554455445550
15		74.4	63.2183908045977	0.720173395445135	0.887096774193548	0.491071428571429	76.11940298507460	46.66666666666670	0.652173913043478	1.0	0.304347826086957	69.56521739130430	100.0	0.0	30.43478260869570	73.77049180327870	66.66666666666670	0.732428878795123	0.872727272727273	0.539325842696629	46.06741573033710	92.5531914893617	7.446808510638300	53.93258426966290
16		66.4	56.70103092783510	0.674038461538462	0.859375	0.423076923076923	75.0	56.00000000000000	0.687363834422658	0.875	0.411764705882353	58.82352941176470	96.29629629629630	3.703703703703700	41.17647058823530	61.72839506172840	56.94444444444440	0.660511363636364	0.854166666666667	0.427083333333333	57.29166666666670	89.39393939393940	10.60606060606060	42.70833333333330
17		72.8	64.21052631578950	0.716807909604520	0.847222222222222	0.516949152542373	78.66666666666670	52.94117647058820	0.677696078431373	0.9	0.375	62.5	98.0392156862745	1.960784313725490	37.5	70.28571428571430	66.66666666666670	0.714867349619123	0.838709677419355	0.553191489361702	44.68085106382980	87.65432098765430	12.34567901234570	55.31914893617020
18		69.20000000000000	62.4390243902439	0.704288649203903	0.876712328767123	0.484848484848485	71.25	56.60377358490570	0.697368421052632	1.0	0.394736842105263	60.52631578947370	100.0	0.0	39.47368421052630	68.23529411764710	64.47368421052630	0.701427771556551	0.844827586206897	0.521276595744681	47.87234042553190	88.1578947368421	11.84210526315790	52.12765957446810
19		76.4	73.30316742081450	0.776376737004632	0.931034482758621	0.604477611940299	78.26086956521740	66.66666666666670	0.746120689655172	0.9375	0.517241379310345	48.27586206896550	97.5	2.5	51.72413793103450	75.69060773480660	75.0	0.781390977443609	0.929577464788732	0.628571428571429	37.14285714285710	93.42105263157900	6.578947368421050	62.85714285714290
20		70.40000000000000	65.74074074074070	0.715635241951032	0.855421686746988	0.533834586466165	75.75757575757580	61.90476190476190	0.715099715099715	0.866666666666667	0.481481481481481	51.85185185185190	94.87179487179490	5.128205128205130	48.14814814814810	68.47826086956520	66.66666666666670	0.709482341557813	0.852941176470588	0.547169811320755	45.28301886792450	87.17948717948720	12.82051282051280	54.71698113207550
21		68.0	61.53846153846150	0.697906602254428	0.876712328767123	0.474074074074074	68.11594202898550	45.00000000000000	0.630172413793103	0.818181818181818	0.310344827586207	68.96551724137930	95.0	5.0	31.03448275862070	67.95580110497240	65.47619047619050	0.712767295597484	0.887096774193548	0.518867924528302	48.11320754716980	90.66666666666670	9.333333333333330	51.88679245283020
22		73.2	65.64102564102560	0.727138831967213	0.876712328767123	0.524590163934426	78.46153846153850	50.00000000000000	0.663888888888889	0.875	0.35	65.0	97.77777777777780	2.222222222222220	35.0	71.35135135135140	68.26347305389220	0.731218993621545	0.876923076923077	0.558823529411765	44.11764705882350	90.36144578313250	9.63855421686747	55.88235294117650
23		65.60000000000000	55.67010309278350	0.663847780126850	0.830769230769231	0.418604651162791	69.56521739130430	43.24324324324320	0.630662020905923	0.888888888888889	0.285714285714286	71.42857142857140	97.5609756097561	2.439024390243900	28.57142857142860	64.08839779005530	58.59872611464970	0.665222772277228	0.821428571428571	0.455445544554455	54.45544554455450	87.5	12.5	45.54455445544560
24		72.8	64.58333333333330	0.715002573340196	0.815789473684211	0.534482758620690	70.4225352112676	40.0	0.618265993265993	0.875	0.259259259259259	74.07407407407410	97.72727272727270	2.272727272727270	25.92592592592590	73.74301675977650	70.06369426751590	0.736766541822722	0.808823529411765	0.617977528089888	38.20224719101120	85.55555555555560	14.44444444444440	61.79775280898880
25		74.4	70.64220183486240	0.750320512820513	0.875	0.592307692307692	65.21739130434780	42.85714285714290	0.627111486486487	0.9	0.28125	71.875	97.2972972972973	2.702702702702700	28.125	77.90055248618790	77.27272727272730	0.786697811654783	0.871794871794872	0.693877551020408	30.61224489795920	87.95180722891570	12.04819277108430	69.38775510204080
26		66.4	59.61538461538460	0.684081527347781	0.861111111111111	0.455882352941176	73.33333333333330	52.38095238095240	0.667916041979011	0.846153846153846	0.379310344827586	62.06896551724140	95.65217391304350	4.347826086956520	37.93103448275860	63.42857142857140	61.44578313253010	0.679494227597581	0.864406779661017	0.476635514018692	52.33644859813080	88.23529411764710	11.76470588235290	47.66355140186920
27		74.0	67.98029556650250	0.740000000000000	0.884615384615385	0.552	76.62337662337660	62.5	0.720196353436185	0.882352941176471	0.483870967741936	51.61290322580650	95.65217391304350	4.347826086956520	48.38709677419360	72.83236994219650	69.67741935483870	0.742930245084837	0.885245901639344	0.574468085106383	42.5531914893617	91.13924050632910	8.860759493670890	57.44680851063830
28		67.60000000000000	60.48780487804880	0.686221053306819	0.837837837837838	0.473282442748092	70.76923076923080	61.22448979591840	0.711647727272727	0.9375	0.454545454545455	54.54545454545450	96.875	3.125	45.45454545454550	66.48648648648650	60.25641025641030	0.676577527562749	0.810344827586207	0.479591836734694	52.04081632653060	87.35632183908050	12.64367816091950	47.95918367346940
29		72.40000000000000	65.32663316582920	0.718207444423089	0.833333333333333	0.537190082644628	75.67567567567570	57.14285714285710	0.692546583850932	0.857142857142857	0.428571428571429	57.14285714285710	95.65217391304350	4.347826086956520	42.85714285714290	71.02272727272730	67.51592356687900	0.718681176318176	0.828125	0.569892473118280	43.01075268817200	86.74698795180720	13.25301204819280	56.98924731182800
30		78.4	72.44897959183670	0.774332306111967	0.910256410256410	0.601694915254237	80.82191780821920	63.1578947368421	0.729583333333333	0.923076923076923	0.48	52.0	97.91666666666670	2.083333333333330	48.0	77.40112994350280	74.68354430379750	0.781490015360983	0.907692307692308	0.634408602150538	36.55913978494620	92.85714285714290	7.142857142857140	63.44086021505380
31		75.6	69.95073891625620	0.750752770837338	0.865853658536585	0.586776859504132	78.66666666666670	65.21739130434780	0.738888888888889	0.9375	0.5	50.0	97.77777777777780	2.222222222222220	50.0	74.28571428571430	71.33757961783440	0.748168498168498	0.848484848484849	0.615384615384615	38.46153846153850	88.09523809523810	11.90476190476190	61.53846153846150
32		73.6	70.53571428571430	0.745710429920956	0.868131868131868	0.593984962406015	75.38461538461540	61.90476190476190	0.724137931034483	1.0	0.448275862068966	55.17241379310340	100.0	0.0	44.82758620689660	72.97297297297300	72.52747252747250	0.743233618233618	0.846153846153846	0.634615384615385	36.53846153846150	85.18518518518520	14.81481481481480	63.46153846153850
33		75.2	68.36734693877550	0.740285640761709	0.8375	0.577586206896552	75.0	48.64864864864870	0.650588235294118	0.75	0.36	64.0	94.11764705882350	5.88235294117647	36.0	75.28735632183910	72.95597484276730	0.758440354825897	0.852941176470588	0.637362637362637	36.26373626373630	87.95180722891570	12.04819277108430	63.73626373626370
34		68.8	60.60606060606060	0.695368056890256	0.869565217391304	0.465116279069767	68.4931506849315	46.51162790697670	0.644054878048781	0.909090909090909	0.3125	68.75	97.5609756097561	2.439024390243900	31.25	68.92655367231640	64.51612903225810	0.707731958762887	0.862068965517241	0.515463917525773	48.45360824742270	90.0	10.0	51.54639175257730
35		75.2	70.1923076923077	0.753392217101895	0.890243902439024	0.579365079365079	75.38461538461540	52.94117647058820	0.680000000000000	1.0	0.36	64.0	100.0	0.0	36.0	75.13513513513510	73.56321839080460	0.763260254596888	0.876712328767123	0.633663366336634	36.63366336633660	89.28571428571430	10.71428571428570	63.36633663366340
36		71.6	63.21243523316060	0.7109375	0.859154929577465	0.5	69.86301369863010	35.29411764705880	0.600241545893720	0.857142857142857	0.222222222222222	77.77777777777780	97.82608695652170	2.173913043478260	22.22222222222220	72.31638418079100	69.18238993710690	0.734595635430039	0.859375	0.578947368421053	42.10526315789470	89.02439024390250	10.97560975609760	57.89473684210530
37		69.20000000000000	62.4390243902439	0.692000000000000	0.8	0.512	75.0	55.81395348837210	0.683035714285714	0.8	0.428571428571429	57.14285714285710	93.75	6.25	42.85714285714290	66.66666666666670	64.19753086419750	0.683625652697818	0.8	0.536082474226804	46.39175257731960	83.11688311688310	16.88311688311690	53.60824742268040
38		72.40000000000000	61.87845303867400	0.710772984078069	0.888888888888889	0.474576271186441	70.4225352112676	36.36363636363640	0.604273504273504	0.857142857142857	0.230769230769231	76.92307692307690	97.77777777777780	2.222222222222220	23.07692307692310	73.18435754189940	67.56756756756760	0.737256371814093	0.892857142857143	0.543478260869565	45.65217391304350	93.10344827586210	6.896551724137930	54.34782608695650
39		70.40000000000000	64.42307692307690	0.706868958453364	0.827160493827161	0.527559055118110	71.23287671232880	43.24324324324320	0.626409017713366	0.8	0.296296296296296	70.37037037037040	95.65217391304350	4.347826086956520	29.62962962962960	70.05649717514130	69.00584795321640	0.717077922077922	0.830985915492958	0.59	41.0	84.4155844155844	15.58441558441560	59.0
40		68.4	58.63874345549740	0.685931899641577	0.861538461538462	0.444444444444444	70.3125	34.48275862068970	0.596500530222694	0.833333333333333	0.217391304347826	78.26086956521740	97.5609756097561	2.439024390243900	21.73913043478260	67.74193548387100	62.96296296296300	0.699380044449643	0.864406779661017	0.495145631067961	50.48543689320390	90.36144578313250	9.63855421686747	49.51456310679610
41		67.2	60.57692307692310	0.673387096774194	0.768292682926829	0.5	71.42857142857140	42.10526315789470	0.618148148148148	0.727272727272727	0.296296296296296	70.37037037037040	94.0	6.0	29.62962962962960	65.3179190751445	64.70588235294120	0.669669669669670	0.774647887323944	0.555555555555556	44.44444444444440	78.37837837837840	21.62162162162160	55.55555555555560
42		70.0	61.53846153846150	0.701804915514593	0.869565217391304	0.476190476190476	72.6027397260274	56.52173913043480	0.690929878048781	0.928571428571429	0.40625	59.375	97.5609756097561	2.439024390243900	40.625	68.92655367231640	63.08724832214770	0.701807228915663	0.854545454545455	0.5	50.0	90.36144578313250	9.63855421686747	50.0
43		72.40000000000000	67.90697674418600	0.749076414544040	0.960526315789474	0.525179856115108	71.76470588235290	45.45454545454550	0.641899766899767	0.909090909090909	0.303030303030303	69.6969696969697	98.07692307692310	1.923076923076920	30.30303030303030	72.72727272727270	73.6842105263158	0.780220658778382	0.969230769230769	0.594339622641509	40.56603773584910	96.61016949152540	3.389830508474580	59.43396226415090
44		72.0	67.88990825688070	0.731186941713258	0.870588235294118	0.556390977443609	72.15189873417720	52.17391304347830	0.662298387096774	0.8	0.387096774193548	61.29032258064520	93.75	6.25	38.70967741935480	71.9298245614035	72.09302325581400	0.745950554134698	0.885714285714286	0.607843137254902	39.21568627450980	88.40579710144930	11.59420289855070	60.78431372549020
45		73.2	65.28497409326430	0.728538505857500	0.9	0.512195121951220	75.0	52.94117647058820	0.675000000000000	0.9	0.375	62.5	97.5	2.5	37.5	72.58064516129030	67.9245283018868	0.738244514106583	0.9	0.545454545454545	45.45454545454550	93.10344827586210	6.896551724137930	54.54545454545450
46		72.0	66.98113207547170	0.734752959341225	0.910256410256410	0.529850746268657	77.14285714285720	55.55555555555560	0.692307692307692	1.0	0.384615384615385	61.53846153846150	100.0	0.0	38.46153846153850	70.0	69.31818181818180	0.733796296296296	0.897058823529412	0.564814814814815	43.51851851851850	90.27777777777780	9.722222222222220	56.48148148148150
47		73.6	64.8936170212766	0.723089775721355	0.859154929577465	0.521367521367521	74.66666666666670	45.71428571428570	0.64	0.8	0.32	68.0	96.0	4.0	32.0	73.14285714285710	69.28104575163400	0.739850707176532	0.868852459016393	0.576086956521739	42.39130434782610	90.36144578313250	9.63855421686747	57.60869565217390
48		67.60000000000000	62.32558139534880	0.695852981073574	0.858974358974359	0.489051094890511	73.13432835820900	43.75000000000000	0.634205426356589	0.875	0.291666666666667	70.83333333333330	97.67441860465120	2.325581395348840	29.16666666666670	65.57377049180330	65.57377049180330	0.694058154235146	0.857142857142857	0.530973451327434	46.90265486725660	85.71428571428570	14.28571428571430	53.09734513274340
49		73.6	66.3265306122449	0.736	0.915492957746479	0.52	69.1358024691358	48.97959183673470	0.649689440993789	0.857142857142857	0.342857142857143	65.71428571428570	95.65217391304350	4.347826086956520	34.28571428571430	75.7396449704142	72.10884353741500	0.769127988748242	0.929824561403509	0.588888888888889	41.11111111111110	94.9367088607595	5.063291139240510	58.88888888888890
50		69.20000000000000	61.69154228855720	0.695314000384098	0.837837837837838	0.488188976377953	71.05263157894740	50.0	0.660511363636364	0.916666666666667	0.34375	65.625	97.72727272727270	2.272727272727270	34.375	68.39080459770120	64.96815286624200	0.698800799467022	0.822580645161290	0.536842105263158	46.31578947368420	86.07594936708860	13.92405063291140	53.68421052631580
51		70.40000000000000	64.76190476190480	0.709846883208405	0.839506172839506	0.527131782945737	72.36842105263160	51.16279069767440	0.657740278796772	0.785714285714286	0.379310344827586	62.06896551724140	93.61702127659580	6.382978723404260	37.93103448275860	69.54022988505750	68.26347305389220	0.717432432432432	0.850746268656716	0.57	43.0	86.48648648648650	13.51351351351350	57.00000000000000
52		74.8	66.66666666666670	0.729220779220779	0.797468354430380	0.572727272727273	79.22077922077920	57.89473684210530	0.700864779874214	0.785714285714286	0.458333333333333	54.16666666666670	94.33962264150940	5.660377358490570	45.83333333333330	72.83236994219650	68.87417218543050	0.727612937717188	0.8	0.604651162790698	39.53488372093020	85.0574712643678	14.94252873563220	60.46511627906980
53		74.0	67.00507614213200	0.736796619934703	0.891891891891892	0.536585365853659	71.01449275362320	47.36842105263160	0.648519163763066	0.9	0.321428571428571	67.85714285714290	97.5609756097561	2.439024390243900	32.14285714285710	75.13812154696130	71.69811320754720	0.759302325581395	0.890625	0.6	40.0	91.86046511627910	8.13953488372093	60.0
54		69.20000000000000	64.51612903225810	0.699948681762782	0.813953488372093	0.534351145038168	66.19718309859160	47.82608695652170	0.640350877192982	0.846153846153846	0.333333333333333	66.66666666666670	94.73684210526320	5.263157894736840	33.33333333333330	70.39106145251400	69.00584795321640	0.714600655076846	0.808219178082192	0.602040816326531	39.79591836734690	82.71604938271610	17.28395061728400	60.20408163265310
55		74.8	67.6923076923077	0.744670635682735	0.916666666666667	0.536585365853659	76.92307692307690	50.0	0.666666666666667	1.0	0.333333333333333	66.66666666666670	100.0	0.0	33.33333333333330	73.83720930232560	71.69811320754720	0.757401315789474	0.904761904761905	0.59375	40.625	92.10526315789470	7.894736842105260	59.375
56		74.4	64.0449438202247	0.715819283456270	0.770270270270270	0.548076923076923	79.48717948717950	55.55555555555560	0.689814814814815	0.833333333333333	0.416666666666667	58.33333333333330	96.29629629629630	3.703703703703700	41.66666666666670	72.09302325581400	66.19718309859160	0.712228260869565	0.758064516129032	0.5875	41.25	83.69565217391310	16.30434782608700	58.75
57		72.40000000000000	61.45251396648040	0.707218219248585	0.873015873015873	0.474137931034483	73.75	46.15384615384620	0.641483516483516	0.818181818181818	0.321428571428571	67.85714285714290	96.15384615384620	3.846153846153850	32.14285714285710	71.76470588235290	65.71428571428570	0.724778270509978	0.884615384615385	0.522727272727273	47.72727272727270	92.6829268292683	7.317073170731710	52.27272727272730
58		72.40000000000000	66.98564593301440	0.739642305712815	0.933333333333333	0.522388059701493	66.66666666666670	46.15384615384620	0.640466531440162	0.9	0.310344827586207	68.96551724137930	97.05882352941180	2.941176470588240	31.03448275862070	74.33155080213900	71.76470588235300	0.766085946573752	0.938461538461539	0.580952380952381	41.90476190476190	95.1219512195122	4.878048780487810	58.0952380952381
59		70.0	62.68656716417910	0.698476702508961	0.818181818181818	0.508064516129032	73.91304347826090	50.0	0.661449016100179	0.9	0.346153846153846	65.38461538461540	97.67441860465120	2.325581395348840	34.61538461538460	68.50828729281770	65.45454545454540	0.697196951069585	0.805970149253731	0.551020408163265	44.89795918367350	84.33734939759040	15.66265060240960	55.10204081632650
60		72.40000000000000	64.61538461538460	0.733974358974359	0.969230769230769	0.484615384615385	72.72727272727270	40.0	0.625	1.0	0.25	75.0	100.0	0.0	25.0	72.28260869565220	69.09090909090910	0.756047411707789	0.966101694915254	0.537735849056604	46.22641509433960	97.43589743589740	2.564102564102560	53.77358490566040
61		70.40000000000000	60.63829787234040	0.688566827697263	0.780821917808219	0.495652173913044	70.1492537313433	47.36842105263160	0.632380952380952	0.692307692307692	0.36	64.0	90.47619047619050	9.523809523809520	36.0	70.49180327868850	64.0	0.702150537634409	0.8	0.533333333333333	46.66666666666670	87.09677419354840	12.90322580645160	53.33333333333330
62		73.6	67.32673267326730	0.739261250880225	0.906666666666667	0.535433070866142	76.92307692307690	55.00000000000000	0.689655172413793	1.0	0.379310344827586	62.06896551724140	100.0	0.0	37.93103448275860	72.09302325581400	70.37037037037040	0.743519029233315	0.890625	0.581632653061225	41.83673469387760	90.54054054054050	9.45945945945946	58.16326530612250
63		72.40000000000000	60.57142857142860	0.700375258799172	0.841269841269841	0.473214285714286	71.23287671232880	40.0	0.613338788870704	0.777777777777778	0.269230769230769	73.07692307692310	95.74468085106380	4.25531914893617	26.92307692307690	72.88135593220340	65.71428571428570	0.723485816509072	0.851851851851852	0.534883720930233	46.51162790697670	91.20879120879120	8.791208791208790	53.48837209302330
64		71.2	61.29032258064520	0.694852941176471	0.791666666666667	0.5	81.42857142857140	43.47826086956520	0.638888888888889	1.0	0.277777777777778	72.22222222222220	100.0	0.0	27.77777777777780	67.22222222222220	63.80368098159510	0.681547619047619	0.776119402985075	0.541666666666667	45.83333333333330	82.14285714285710	17.85714285714290	54.16666666666670
65		71.6	65.3658536585366	0.730512177880599	0.930555555555556	0.503759398496241	72.72727272727270	46.15384615384620	0.65	1.0	0.3	70.0	100.0	0.0	30.0	71.09826589595380	69.87951807228910	0.745839112343967	0.920634920634921	0.563106796116505	43.68932038834950	92.85714285714290	7.142857142857140	56.31067961165050
66		69.6	63.46153846153850	0.705689909551607	0.857142857142857	0.503816793893130	66.66666666666670	50.00000000000000	0.657915057915058	0.923076923076923	0.342857142857143	65.71428571428570	97.2972972972973	2.702702702702700	34.28571428571430	70.78651685393260	67.5	0.720274390243903	0.84375	0.5625	43.75	87.8048780487805	12.19512195121950	56.25
67		69.6	60.82474226804120	0.688141025641026	0.797297297297297	0.491666666666667	73.33333333333330	47.36842105263160	0.645833333333333	0.818181818181818	0.333333333333333	66.66666666666670	95.83333333333330	4.166666666666670	33.33333333333330	68.0	64.1025641025641	0.689548911618148	0.793650793650794	0.537634408602151	46.23655913978490	84.14634146341460	15.85365853658540	53.76344086021510
68		66.8	60.66350710900470	0.680772443930339	0.820512820512821	0.481203007518797	68.0	50.00000000000000	0.646103896103896	0.8	0.363636363636364	63.63636363636360	92.85714285714290	7.142857142857140	36.36363636363640	66.28571428571430	63.80368098159510	0.686666666666667	0.825396825396825	0.52	48.0	85.33333333333330	14.66666666666670	52.0
69		71.6	63.58974358974360	0.711129610655738	0.849315068493151	0.508196721311475	69.44444444444440	52.17391304347830	0.6625	0.857142857142857	0.375	62.5	95.0	5.0	37.5	72.47191011235960	67.11409395973150	0.726641414141414	0.847457627118644	0.555555555555556	44.44444444444440	89.77272727272730	10.22727272727270	55.55555555555560
70		72.8	66.66666666666670	0.731131169579412	0.883116883116883	0.535433070866142	77.46478873239440	65.21739130434780	0.737804878048781	0.9375	0.5	50.0	97.5609756097561	2.439024390243900	50.0	70.94972067039110	67.0886075949367	0.724415388483782	0.868852459016393	0.546391752577320	45.36082474226800	90.2439024390244	9.75609756097561	54.63917525773200
71		68.4	57.75401069518720	0.686059907834101	0.885245901639344	0.428571428571429	75.0	48.64864864864860	0.656462585034014	0.9	0.333333333333333	66.66666666666670	97.95918367346940	2.040816326530610	33.33333333333330	65.51724137931040	60.0	0.687272727272727	0.882352941176471	0.454545454545455	54.54545454545450	92.0	8.0	45.45454545454550
72		74.8	66.66666666666670	0.733172302737520	0.851351351351351	0.547826086956522	78.57142857142860	48.27586206896550	0.659090909090909	1.0	0.318181818181818	68.18181818181820	100.0	0.0	31.81818181818180	73.33333333333330	70.0	0.737856878012607	0.835820895522388	0.602150537634409	39.78494623655910	87.35632183908050	12.64367816091950	60.21505376344090
73		73.6	64.1304347826087	0.719484702093398	0.855072463768116	0.513043478260870	78.26086956521740	65.11627906976740	0.737804878048781	0.933333333333333	0.5	50.0	97.5609756097561	2.439024390243900	50.0	71.8232044198895	63.82978723404260	0.710748349229641	0.833333333333333	0.517241379310345	48.27586206896550	90.42553191489360	9.574468085106380	51.72413793103450
74		73.2	64.17112299465240	0.717575913535769	0.845070422535211	0.517241379310345	76.38888888888890	51.42857142857140	0.669361702127660	0.9	0.36	64.0	97.87234042553190	2.127659574468090	36.0	71.91011235955060	67.10526315789470	0.722748515851964	0.836065573770492	0.560439560439560	43.95604395604400	88.50574712643680	11.49425287356320	56.04395604395600
75		74.0	65.24064171122990	0.732686270741239	0.924242424242424	0.504132231404959	76.5625	48.27586206896550	0.655038759689922	0.875	0.333333333333333	66.66666666666670	97.67441860465120	2.325581395348840	33.33333333333330	73.11827956989250	68.35443037974680	0.746744186046512	0.931034482758621	0.54	46.0	95.34883720930230	4.651162790697680	54.0
76		76.8	70.40816326530610	0.759381615241517	0.896103896103896	0.579831932773109	80.51948051948050	65.11627906976740	0.741379310344828	1.0	0.482758620689655	51.72413793103450	100.0	0.0	48.27586206896550	75.14450867052020	71.89542483660130	0.757362784471218	0.873015873015873	0.611111111111111	38.88888888888890	90.36144578313250	9.63855421686747	61.11111111111110
77		68.0	62.61682242990650	0.690228556753981	0.817073170731707	0.507575757575758	65.78947368421050	48.0	0.628851540616247	0.75	0.352941176470588	64.70588235294120	90.47619047619050	9.523809523809520	35.29411764705880	68.96551724137930	67.07317073170730	0.708243823845328	0.833333333333333	0.561224489795918	43.87755102040820	85.52631578947370	14.47368421052630	56.12244897959180
78		70.0	60.73298429319370	0.691666666666667	0.816901408450704	0.483333333333333	76.11940298507460	50.00000000000000	0.659595959595960	0.8	0.363636363636364	63.63636363636360	95.55555555555560	4.444444444444450	36.36363636363640	67.75956284153010	62.8930817610063	0.690396158463385	0.819672131147541	0.510204081632653	48.97959183673470	87.05882352941180	12.94117647058820	51.02040816326530
79		72.8	63.44086021505380	0.713265568708183	0.842857142857143	0.508620689655172	77.21518987341770	50.0	0.660227272727273	0.75	0.375	62.5	94.54545454545460	5.454545454545450	37.5	70.76023391812870	66.66666666666670	0.721106219042378	0.862068965517241	0.543478260869565	45.65217391304350	89.87341772151900	10.12658227848100	54.34782608695650
80		70.8	67.55555555555560	0.717338217338217	0.826086956521739	0.571428571428571	74.28571428571430	57.14285714285710	0.690476190476191	0.857142857142857	0.428571428571429	57.14285714285710	95.23809523809520	4.761904761904760	42.85714285714290	69.44444444444440	69.45355191256800	0.711428571428571	0.820512820512821	0.609523809523810	39.04761904761910	81.33333333333330	18.66666666666670	60.95238095238100
81		69.6	58.69565217391310	0.696	0.915254237288136	0.432	70.88607594936710	46.51162790697680	0.651515151515152	1.0	0.303030303030303	69.6969696969697	100.0	0.0	30.30303030303030	69.00584795321640	62.4113475177305	0.707484865162355	0.897959183673469	0.478260869565217	52.17391304347830	93.67088607594940	6.329113924050630	47.82608695652170
82		67.60000000000000	61.24401913875600	0.691392177045806	0.853333333333333	0.477611940298507	70.3125	53.65853658536590	0.675369458128079	0.916666666666667	0.379310344827586	62.06896551724140	97.14285714285710	2.857142857142860	37.93103448275860	66.66666666666670	63.09523809523810	0.690652557319224	0.841269841269841	0.504761904761905	49.52380952380950	87.65432098765430	12.34567901234570	50.47619047619050
83		70.40000000000000	63.72549019607840	0.712500000000000	0.878378378378378	0.5	75.38461538461540	57.89473684210530	0.698717948717949	0.916666666666667	0.423076923076923	57.69230769230770	97.43589743589740	2.564102564102560	42.30769230769230	68.64864864864870	65.06024096385540	0.710232668566002	0.870967741935484	0.519230769230769	48.07692307692310	90.12345679012350	9.876543209876540	51.92307692307690
84		70.8	60.96256684491980	0.693450849202265	0.802816901408451	0.491379310344828	72.72727272727270	50.0	0.660576923076923	0.9	0.346153846153846	65.38461538461540	97.5	2.5	34.61538461538460	70.1086956521739	63.57615894039740	0.697517730496454	0.786885245901639	0.533333333333333	46.66666666666670	86.17021276595740	13.82978723404260	53.33333333333330
85		72.8	66.99029126213590	0.728	0.851851851851852	0.552	67.6056338028169	46.51162790697670	0.636290322580645	0.833333333333333	0.322580645161290	67.74193548387100	95.0	5.0	32.25806451612900	74.86033519553070	72.39263803680980	0.755006257822278	0.855072463768116	0.627659574468085	37.23404255319150	88.23529411764710	11.76470588235290	62.76595744680850
86		71.2	62.88659793814430	0.710253456221198	0.871428571428571	0.491935483870968	83.60655737704920	58.33333333333330	0.705882352941176	1.0	0.411764705882353	58.82352941176470	100.0	0.0	41.17647058823530	67.1957671957672	63.52941176470590	0.697458399817643	0.857142857142857	0.504672897196262	49.53271028037380	89.02439024390250	10.97560975609760	50.46728971962620
87		71.2	62.5	0.700019278966647	0.8	0.512820512820513	77.77777777777780	60.8695652173913	0.713725490196078	0.875	0.466666666666667	53.33333333333330	96.07843137254900	3.921568627450980	46.66666666666670	68.04733727810650	63.01369863013700	0.685099523409027	0.779661016949153	0.528735632183908	47.12643678160920	84.14634146341460	15.85365853658540	52.87356321839080
88		68.0	61.53846153846150	0.687820512820513	0.820512820512821	0.492307692307692	69.51219512195120	48.9795918367347	0.645220588235294	0.8	0.352941176470588	64.70588235294120	93.75	6.25	35.29411764705880	67.26190476190480	65.40880503144650	0.694444444444444	0.825396825396825	0.541666666666667	45.83333333333330	84.72222222222220	15.27777777777780	54.16666666666670
89		70.40000000000000	57.95454545454550	0.678246753246753	0.772727272727273	0.463636363636364	77.02702702702700	48.48484848484850	0.656666666666667	0.888888888888889	0.333333333333333	66.66666666666670	98.0	2.0	33.33333333333330	67.61363636363640	60.13986013986010	0.672222222222222	0.754385964912281	0.5	50.0	84.44444444444440	15.55555555555560	50.0
90		68.8	59.375	0.688000000000000	0.850746268656716	0.456	66.19718309859160	42.85714285714290	0.627804487179487	0.9	0.28125	71.875	97.43589743589740	2.564102564102560	28.125	69.83240223463690	64.00000000000000	0.705738934733683	0.842105263157895	0.516129032258065	48.38709677419360	89.53488372093020	10.46511627906980	51.61290322580650
91		72.8	66.66666666666670	0.729518689196109	0.871794871794872	0.539682539682540	68.65671641791050	51.16279069767440	0.656306306306306	0.846153846153846	0.366666666666667	63.33333333333330	94.5945945945946	5.405405405405410	36.66666666666670	74.31693989071040	70.80745341614910	0.750897988505747	0.876923076923077	0.59375	40.625	90.80459770114940	9.195402298850570	59.375
92		73.6	67.32673267326730	0.731813524590164	0.85	0.557377049180328	76.71232876712330	54.05405405405410	0.679166666666667	0.833333333333333	0.4	60.0	95.83333333333330	4.166666666666670	40.0	72.31638418079100	70.3030303030303	0.736469072164949	0.852941176470588	0.597938144329897	40.20618556701030	87.5	12.5	59.79381443298970
93		68.4	58.63874345549740	0.68795211574163	0.875	0.440944881889764	64.28571428571430	32.43243243243240	0.587500000000000	0.857142857142857	0.2	80.0	97.5	2.5	20.0	70.0	64.93506493506490	0.715563284064091	0.877192982456140	0.515463917525773	48.45360824742270	91.56626506024100	8.433734939759040	51.54639175257730
94		70.40000000000000	58.88888888888890	0.693910256410256	0.883333333333333	0.441666666666667	66.66666666666670	45.83333333333330	0.633887043189369	0.846153846153846	0.314285714285714	68.57142857142860	95.34883720930230	4.651162790697680	31.42857142857140	72.09302325581400	63.63636363636360	0.718323191345504	0.893617021276596	0.494117647058824	50.58823529411760	94.25287356321840	5.747126436781610	49.41176470588240
95		72.0	63.91752577319590	0.713562688192709	0.849315068493151	0.512396694214876	72.05882352941180	42.42424242424240	0.634615384615385	1.0	0.269230769230769	73.07692307692310	100.0	0.0	26.92307692307690	71.97802197802200	68.32298136645960	0.726255293405929	0.833333333333333	0.578947368421053	42.10526315789470	87.35632183908050	12.64367816091950	57.89473684210530
96		69.6	60.0	0.694124423963134	0.863636363636364	0.459677419354839	67.14285714285710	51.06382978723400	0.671428571428572	1.0	0.342857142857143	65.71428571428570	100.0	0.0	34.28571428571430	70.55555555555560	62.93706293706290	0.703358439313496	0.833333333333333	0.505617977528090	49.43820224719100	90.10989010989010	9.89010989010989	50.56179775280900
97		69.6	60.00000000000000	0.692337238333013	0.850746268656716	0.463414634146342	70.51282051282050	43.90243902439030	0.629166666666667	0.818181818181818	0.3	70.0	95.83333333333330	4.166666666666670	30.0	69.18604651162790	64.42953020134230	0.707431604736627	0.857142857142857	0.516129032258065	48.38709677419360	89.87341772151900	10.12658227848100	51.61290322580650
98		73.6	71.30434782608700	0.747181964573269	0.863157894736842	0.607407407407407	77.04918032786890	66.66666666666670	0.740659340659341	0.875	0.538461538461538	46.15384615384620	94.28571428571430	5.714285714285710	53.84615384615390	72.4867724867725	72.3404255319149	0.743176605504587	0.860759493670886	0.623853211009174	37.61467889908260	86.25	13.75000000000000	62.38532110091740
99		73.6	64.51612903225810	0.721307256819352	0.857142857142857	0.517241379310345	85.91549295774650	68.75000000000000	0.761904761904762	1.0	0.523809523809524	47.61904761904760	100.0	0.0	52.38095238095240	68.71508379888270	63.63636363636360	0.698370927318296	0.830508474576271	0.515789473684211	48.42105263157890	88.09523809523810	11.90476190476190	51.57894736842110
	Mean	**71.528**	**64.1781829695749**	**71.49276768624699%**	**85.98008369359780**	**51.3718009517937%**	**73.45403064711590**	**51.11395003689920**	**66.66135050095020**	**88.6581965420201%**	**36.3721123720638%**	**63.6278876279362**	**96.9505886298365**	**3.04941137016347**	**36.3721123720638**	**70.73700886594590**	**67.3013659362366**	**72.19568721009870**	**85.53053665455330**	**55.6774622972002%**	**44.3225377027998**	**88.71391212299720**	**11.28608787700280**	**55.6774622972002**
	Standard Deviation	2.61302410044281	3.64866375940236	2.332428996311119%	4.115016966037420	4.357946797360022%	4.57460952475229	7.92592396319850	3.905199191385900	8.105658131148577%	7.580167332878887%	7.58016733287887	2.25891621160645	2.25891621160645	7.58016733287888	3.08222498517235	3.89636643842101	2.787609492185110	4.251572421935250	4.827501830772209%	4.82750183077209	3.65886074735686	3.658860747356870	4.82750183077208
	T Test Significance (Female to Male)						**0.020062503508727**	**0.000000000000000**	**0.000000000091619**	**5.32036205988618%**	**0.000000000000000**	**0.000000000000000**	**0.000000000056051**	**0.000000000000000**	**0.000000000000000**									

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Summary of Results for Experiment 3.1.2

	Random Forest Classifier			**Logistic Regression Classifier**			**Support Vector Machine**			**Gaussian Naive Bayes**		
	Mean	Standard Deviation	T Test Significance (Female to Male)	Mean	Standard Deviation	T Test Significance (Female to Male)	Mean	Standard Deviation	T Test Significance (Female to Male)	Mean	Standard Deviation	T Test Significance (Female to Male)
All Accuracy	81.66	2.33		74.53	1.96		83.30	1.75		74.75	1.97	
All FScore	76.52	3.09		65.63	2.88		80.07	2.25		62.80	3.26	
All ROC_AUC	80.22%	2.41%		72.40%	1.97%		82.70%	1.85%		71.67%	1.97%	
All Precision	84.80%	3.38%		78.52%	4.30%		82.71%	3.84%		85.28%	3.80%	
All Recall	69.87%	4.42%		56.57%	3.85%		77.91%	4.71%		49.83%	3.77%	
Females Accuracy	84.75	3.03	0.00	77.71	2.42	0.00	89.03	2.23	0.00	78.47	2.35	0.00
Females FScore	71.41	5.74	0.00	51.69	5.87	0.00	82.18	3.72	0.00	51.55	5.38	0.00
Females ROC_AUC	78.47%	3.76%	0.13	67.10%	2.86%	0.00	86.87%	3.01%	0.00	67.12%	2.59%	0.00
Females Precision	85.44%	6.07%	0.88	82.22%	8.04%	0.00	84.22%	5.64%	0.14	85.13%	7.00%	0.37
Females Recall	61.70%	7.03%	0.00	38.12%	6.09%	0.00	80.88%	6.90%	0.00	37.19%	5.02%	0.00
Females FNR	38.30	7.03	0.00	61.88	6.09	0.00	19.12	6.90	0.00	62.81	5.02	0.00
Females TNR	95.24	2.03	0.00	96.09	2.04	0.00	92.86	3.00	0.00	97.05	1.48	0.00
Females FPR	4.76	2.03	0.00	3.91	2.04	0.00	7.14	3.00	0.00	2.95	1.48	0.00
Females TPR	61.70	7.03	0.00	38.12	6.09	0.00	80.88	6.90	0.00	37.19	5.02	0.00
Males Accuracy	78.58	3.05		71.35	3.22		77.56	2.93		71.04	3.22	
Males FScore	79.10	3.21		71.86	3.41		78.78	3.10		68.20	3.96	
Males ROC_AUC	79.07%	2.93%		71.89%	3.07%		77.80%	2.95%		72.57%	2.82%	
Males Precision	84.49%	3.92%		77.47%	4.44%		81.90%	4.62%		85.37%	4.05%	
Males Recall	74.59%	4.93%		67.34%	5.33%		76.24%	5.26%		57.01%	5.09%	
Males FNR	25.41	4.93		32.66	5.33		23.76	5.26		42.99	5.09	
Males TNR	83.55	4.16		76.44	4.82		79.36	5.69		88.12	3.48	
Males FPR	16.45	4.16		23.56	4.82		20.64	5.69		11.88	3.48	
Males TPR	74.59	4.93		67.34	5.33		76.24	5.26		57.01	5.09	
	Random Forest Results			**Logistic Regression Results**			**Support Vector Machine Results**			**Gaussian Naive Bayes Results**		
Averaged over 100 experiments	**Sex Disparity (Male Mean - Female Mean)**		**T Test P Value**	**Sex Disparity (Male Mean - Female Mean)**		**T Test P Value**	**Sex Disparity (Male Mean - Female Mean)**		**T Test P Value**	**Sex Disparity (Male Mean - Female Mean)**		**T Test P Value**
Accuacy	-6.17		0.00	-6.36		0.00	-11.47		0.00	-7.43		0.00
FScore	7.69		0.00	20.17		0.00	-3.40		0.00	16.65		0.00
ROC_AUC	0.60%		0.13	4.79%		0.00	-9.06%		0.00	5.45%		0.00
Precision	-0.94%		0.88	-4.75%		0.00	-2.32%		0.14	0.24%		0.37
Recall	12.88%		0.00	29.22%		0.00	-4.64%		0.00	19.82%		0.00
False Negative Rate	-12.88		0.00	-29.22		0.00	4.64		0.00	-19.82		0.00
True Negative Rate	-11.69		0.00	-19.65		0.00	-13.49		0.00	-8.93		0.00
False Positive Rate	11.69		0.00	19.65		0.00	13.49		0.00	8.93		0.00
True Positive Rate	12.88		0.00	29.22		0.00	-4.64		0.00	19.82		0.00

3.1.2 Balanced training data, no feature selection - Random Forest Classifier

		B_Accuracy	B_FScore	B_ROC_AUC	B_Precision	B_Recall
0		82.9608938547486	78.13620071684590	0.8146670904179250	0.8790322580645160	0.7032258064516130
1		80.44692737430170	73.68421052631580	0.7845178077736220	0.7967479674796750	0.6853146853146850
2		82.68156424581010	76.86567164179100	0.8094353155972870	0.8174603174603170	0.7253521126760560
3		82.12290502793300	77.30496453900710	0.8073327629369080	0.872	0.6942675159235670
4		79.05027932960890	72.72727272727270	0.7739556962025320	0.8547008547008550	0.6329113924050630
5		83.79888268156430	79.28571428571430	0.8258917032825020	0.8283582089552240	0.7602739726027400
6		80.72625698324020	76.45051194539250	0.7969303797468350	0.8296296296296300	0.7088607594936710
7		78.77094972067040	75.16339869281050	0.7823842302878600	0.8455882352941180	0.6764705882352940
8		84.07821229050280	80.27681660899650	0.829625756567481	0.8787878787878790	0.7388535031847130
9		82.68156424581010	78.91156462585040	0.8185095777032320	0.9133858267716540	0.6946107784431140
10		81.56424581005590	73.17073170731710	0.7844527565457800	0.8737864077669900	0.6293706293706290
11		83.79888268156430	80.27210884353740	0.8284177215189870	0.8676470588235290	0.7468354430379750
12		84.63687150837990	78.43137254901960	0.8279029230356660	0.8130081300813010	0.7575757575757580
13		83.79888268156430	80.0	0.8278654551251390	0.8467153284671530	0.7581699346405230
14		79.3296089385475	72.18045112781960	0.7719870748952240	0.8347826086956520	0.6357615894039740
15		83.5195530726257	79.1519434628975	0.8220505040927910	0.9032258064516130	0.7044025157232700
16		82.9608938547486	79.3220338983051	0.8217616249361270	0.8181818181818180	0.7697368421052630
17		78.77094972067040	73.42657342657340	0.7747784810126580	0.8203125	0.6645569620253160
18		80.44692737430170	74.82014388489210	0.7910176531671860	0.7761194029850750	0.7222222222222220
19		82.12290502793300	75.57251908396950	0.8003725855476030	0.8181818181818180	0.7021276595744680
20		78.49162011173190	73.35640138408300	0.772911906575273	0.7969924812030080	0.6794871794871800
21		80.16759776536310	76.72131147540980	0.7958892958892960	0.8602941176470590	0.6923076923076920
22		80.44692737430170	73.48484848484850	0.7824411547477600	0.8434782608695650	0.6510067114093960
23		85.19553072625700	81.66089965397920	0.8409703076971830	0.8939393939393940	0.7515923566878980
24		78.77094972067040	75.48387096774190	0.78328173374613	0.841726618705036	0.6842105263157900
25		83.5195530726257	78.06691449814130	0.8187923839332290	0.8267716535433070	0.7394366197183100
26		86.87150837988830	83.15412186379930	0.8561776061776060	0.8854961832061070	0.7837837837837840
27		80.72625698324020	75.09025270758120	0.7915770206480200	0.8125	0.697986577181208
28		82.9608938547486	78.74564459930310	0.8175949367088610	0.875968992248062	0.7151898734177220
29		82.40223463687150	77.41935483870970	0.8097845284351820	0.8307692307692310	0.7248322147651010
30		83.5195530726257	77.90262172284640	0.8160700439390020	0.859504132231405	0.7123287671232880
31		83.5195530726257	78.54545454545460	0.8187948350071740	0.8852459016393440	0.7058823529411770
32		77.6536312849162	71.63120567375890	0.7618484925907000	0.7769230769230770	0.6644736842105260
33		77.6536312849162	71.63120567375890	0.762333680983534	0.8211382113821140	0.6352201257861640
34		81.00558659217880	75.7142857142857	0.7969759627810800	0.7910447761194030	0.726027397260274
35		78.77094972067040	73.79310344827590	0.7761075949367090	0.8106060606060610	0.6772151898734180
36		76.81564245810060	67.70428015564200	0.741923076923077	0.8130841121495330	0.58
37		79.88826815642460	74.64788732394370	0.7857954545454550	0.8548387096774190	0.6625
38		79.05027932960890	74.0484429065744	0.7795029101777570	0.8492063492063490	0.656441717791411
39		81.56424581005590	78.43137254901960	0.809145880574452	0.8333333333333330	0.7407407407407410
40		82.40223463687150	78.64406779661020	0.8153488668194550	0.8226950354609930	0.7532467532467530
41		79.05027932960890	70.58823529411760	0.7639423076923080	0.8571428571428570	0.6
42		79.88826815642460	74.10071942446040	0.7829905467552380	0.8174603174603170	0.6776315789473690
43		83.5195530726257	76.6798418972332	0.810540184453228	0.8434782608695650	0.7028985507246380
44		85.19553072625700	81.13879003558720	0.838181702950217	0.9193548387096770	0.7261146496815290
45		77.93296089385480	71.48014440433210	0.7635820612496450	0.8389830508474580	0.6226415094339620
46		83.5195530726257	79.15194346289750	0.8225517484083570	0.8484848484848490	0.7417218543046360
47		83.5195530726257	79.44250871080140	0.8237906273620560	0.912	0.7037037037037040
48		78.2122905027933	73.10344827586210	0.7710380448475690	0.828125	0.654320987654321
49		80.44692737430170	75.86206896551720	0.7931481305900570	0.8396946564885500	0.6918238993710690
50		77.09497206703910	74.05063291139240	0.7672389529974670	0.8068965517241380	0.6842105263157900
51		79.88826815642460	74.10071942446040	0.7834493670886080	0.8583333333333330	0.6518987341772150
52		79.60893854748600	73.6462093862816	0.7802848101265820	0.8571428571428570	0.6455696202531650
53		76.25698324022350	68.86446886446890	0.746240186650692	0.8392857142857140	0.5838509316770190
54		82.40223463687150	76.22641509433960	0.8030128205128210	0.8782608695652170	0.6733333333333330
55		81.00558659217880	75.7142857142857	0.7951374543143180	0.848	0.6838709677419360
56		82.9608938547486	78.13620071684590	0.8155325776307760	0.8384615384615390	0.7315436241610740
57		83.79888268156430	79.8611111111111	0.8266327665660260	0.8646616541353380	0.7419354838709680
58		82.12290502793300	77.62237762237760	0.8094293272864700	0.8951612903225810	0.6851851851851850
59		83.79888268156430	80.66666666666670	0.8306036646586340	0.9029850746268660	0.7289156626506020
60		79.05027932960890	74.74747474747480	0.7812687202446640	0.8161764705882350	0.6894409937888200
61		82.9608938547486	79.46127946127950	0.8210963037465430	0.8872180451127820	0.7195121951219510
62		85.47486033519550	81.81818181818180	0.8433285509325680	0.8796992481203010	0.7647058823529410
63		81.84357541899440	76.01476014760150	0.8008529335745670	0.824	0.7054794520547950
64		81.56424581005590	75.55555555555560	0.7966855424384940	0.8571428571428570	0.6754966887417220
65		83.5195530726257	78.85304659498210	0.8216216216216220	0.8396946564885500	0.7432432432432430
66		81.28491620111730	75.81227436823100	0.7975868725868730	0.813953488372093	0.7094594594594590
67		78.2122905027933	72.3404255319149	0.7679908978856550	0.8292682926829270	0.6415094339622640
68		83.24022346368710	79.45205479452060	0.8224694104560620	0.8467153284671530	0.7483870967741940
69		82.12290502793300	76.81159420289860	0.8049896710630860	0.8760330578512400	0.6838709677419360
70		78.49162011173190	72.0	0.768022942611782	0.8389830508474580	0.6305732484076430
71		80.44692737430170	76.35135135135140	0.795044191919192	0.8308823529411770	0.70625
72		80.16759776536310	73.60594795539030	0.7824373223055050	0.8048780487804880	0.678082191780822
73		82.68156424581010	77.20588235294120	0.8094916344916350	0.8467741935483870	0.7094594594594590
74		84.91620111731840	80.98591549295770	0.8364849833147940	0.8914728682170540	0.7419354838709680
75		84.35754189944130	80.82191780821920	0.8361645419222250	0.8251748251748250	0.7919463087248320
76		84.07821229050280	78.96678966789670	0.8228474706182930	0.8991596638655460	0.7039473684210530
77		77.93296089385480	71.88612099644130	0.7641965877260000	0.7952755905511810	0.6558441558441560
78		83.79888268156430	79.86111111111110	0.8264240506329110	0.8846153846153850	0.7278481012658230
79		84.35754189944130	78.94736842105260	0.8235576923076920	0.9051724137931030	0.7
80		82.40223463687150	78.49829351535840	0.8141342980451890	0.8394160583941610	0.7371794871794870
81		80.72625698324020	75.78947368421050	0.7961846443711730	0.9	0.6545454545454550
82		81.84357541899440	76.36363636363640	0.8017883993985350	0.8467741935483870	0.695364238410596
83		83.24022346368710	78.26086956521740	0.8170095761828010	0.9230769230769230	0.6792452830188680
84		85.75418994413410	81.31868131868130	0.8411538461538460	0.9024390243902440	0.74
85		81.28491620111730	74.90636704119850	0.7942423056859680	0.8	0.704225352112676
86		81.84357541899440	77.19298245614030	0.8065705128205130	0.8148148148148150	0.7333333333333330
87		85.47486033519550	80.88235294117650	0.8389764797105200	0.873015873015873	0.7534246575342470
88		83.79888268156430	78.19548872180450	0.8199008868022950	0.8387096774193550	0.7323943661971830
89		79.88826815642460	72.93233082706770	0.7784204671857620	0.8738738738738740	0.6258064516129030
90		82.9608938547486	77.97833935018050	0.8143269230769230	0.8503937007874020	0.72
91		83.79888268156430	77.51937984496130	0.8174521914324410	0.8264462809917360	0.7299270072992700
92		82.12290502793300	77.62237762237760	0.8097215667767810	0.9024390243902440	0.6809815950920250
93		84.91620111731840	80.1470588235294	0.8381093544137020	0.8134328358208960	0.7898550724637680
94		79.88826815642460	75.0	0.7869238604532720	0.8059701492537310	0.7012987012987010
95		81.56424581005590	75.91240875912410	0.798446651387828	0.8666666666666670	0.6753246753246750
96		77.93296089385480	70.41198501872660	0.7586261777438250	0.831858407079646	0.6103896103896100
97		80.72625698324020	76.28865979381440	0.7975035327366930	0.8809523809523810	0.6727272727272730
98		83.24022346368710	78.41726618705040	0.8182432432432430	0.8384615384615390	0.7364864864864870
99		82.68156424581010	75.0	0.8001399253731340	0.8157894736842110	0.6940298507462690
	Mean	**81.6648044692738**	**76.51605544475390**	**0.8022488884176600**	**0.848039421350223**	**0.6986951236443420**
	Standard Deviation	2.32978410923985	3.09100686544122	0.0240583158973208	0.0338390028289972	0.0441545556375893
	T Test Significance (Female to Male)					

		B_F_Accuracy	B_F_FScore	B_F_ROC_AUC	B_F_Precision	B_F_Recall	B_F_FNR	B_F_TNR	B_F_FPR	B_F_TPR	B_M_Accuracy	B_M_FScore
0		83.79888268156430	68.81720430107530	0.7643083117630140	0.8888888888888890	0.5614035087719300	43.859649122807000	96.72131147540980	3.278688524590160	56.14035087719300	82.12290502793300	82.79569892473120
1		83.24022346368710	68.75000000000000	0.7695555555555560	0.7857142857142860	0.6111111111111110	38.88888888888890	92.80000000000000	7.200000000000000	61.11111111111100	77.6536312849162	76.47058823529410
2		87.15083798882680	75.26881720430110	0.8103474094040130	0.875	0.660377358490566	33.9622641509434	96.03174603174600	3.968253968253970	66.0377358490566	78.2122905027933	77.71428571428570
3		83.79888268156430	69.47368421052630	0.7717741935483870	0.825	0.6	40.0	94.35483870967740	5.64516129032258	60.0	80.44692737430170	81.28342245989310
4		79.88826815642460	64.0	0.7326086956521740	0.8888888888888890	0.5	50.0	96.52173913043480	3.4782608695652200	50.0	78.2122905027933	77.71428571428570
5		85.47486033519550	73.46938775510210	0.7990469208211140	0.8372093023255810	0.6545454545454550	34.54545454545460	94.35483870967740	5.64516129032258	65.45454545454550	82.12290502793300	82.41758241758240
6		86.59217877094970	75.00000000000000	0.8118448637316560	0.8372093023255810	0.6792452830188680	32.075471698113200	94.44444444444440	5.555555555555560	67.9245283018868	74.86033519553070	77.15736040609140
7		78.2122905027933	64.22018348623850	0.7299440298507460	0.8333333333333330	0.5223880597014930	47.76119402985070	93.75	6.25	52.23880597014930	79.3296089385475	81.21827411167510
8		88.26815642458100	79.6116504854369	0.839157319528329	0.8913043478260870	0.7192982456140350	28.07017543859650	95.90163934426230	4.098360655737710	71.9298245614035	79.88826815642460	80.64516129032260
9		88.8268156424581	80.0	0.834816384180791	0.975609756097561	0.6779661016949150	32.20338983050850	99.16666666666670	0.8333333333333330	67.79661016949150	76.53631284916200	78.35051546391750
10		83.24022346368710	65.11627906976740	0.7443096735549570	0.8484848484848490	0.5283018867924530	47.16981132075470	96.03174603174600	3.968253968253970	52.83018867924530	79.88826815642460	77.5
11		89.3854748603352	80.41237113402060	0.8451111111111110	0.9069767441860470	0.7222222222222220	27.77777777777780	96.8	3.2	72.22222222222220	78.2122905027933	80.20304568527920
12		86.03351955307260	65.75342465753430	0.7676258992805760	0.7272727272727270	0.6	40.0	93.5251798561151	6.474820143884890	60.0	83.24022346368710	83.51648351648350
13		87.70949720670390	79.62962962962960	0.8373249299719890	0.8958333333333330	0.7166666666666670	28.333333333333300	95.7983193277311	4.201680672268910	71.66666666666670	79.88826815642460	80.21978021978020
14		79.88826815642460	58.13953488372090	0.7029048029910840	0.8620689655172410	0.43859649122807000	56.14035087719300	96.72131147540980	3.278688524590160	43.859649122807000	78.77094972067040	78.88888888888890
15		87.15083798882680	75.78947368421050	0.8111436950146630	0.9	0.6545454545454550	34.54545454545450	96.7741935483871	3.225806451612900	65.45454545454550	79.88826815642460	80.85106382978720
16		87.15083798882680	78.0952380952381	0.8233537093637120	0.9318181818181820	0.6721311475409840	32.78688524590160	97.45762711864410	2.5423728813559300	67.21311475409840	78.77094972067040	80.0
17		83.79888268156430	71.2871287128713	0.7800847457627120	0.8571428571428570	0.6101694915254240	38.983050847457600	95.0	5.0	61.016949152542400	73.74301675977650	74.5945945945946
18		83.24022346368710	69.38775510204080	0.76831005984611	0.85	0.5862068965517240	41.37931034482760	95.0413223140496	4.958677685950410	58.620689655172400	77.6536312849162	77.77777777777780
19		86.59217877094970	75.51020408163270	0.8121700879765400	0.8604651162790700	0.6727272727272730	32.72727272727270	95.16129032258070	4.838709677419360	67.27272727272730	77.6536312849162	75.60975609756100
20		79.88826815642460	64.0	0.7330532212885160	0.8	0.5333333333333330	46.666666666666700	93.27731092436970	6.722689075630250	53.333333333333300	77.09497206703910	78.30687830687830
21		82.68156424581010	69.30693069306930	0.7664565826330530	0.8536585365853660	0.5833333333333330	41.66666666666670	94.9579831932773	5.042016806722690	58.333333333333300	77.6536312849162	80.39215686274510
22		83.24022346368710	68.08510638297870	0.7582633053221290	0.9411764705882350	0.5333333333333330	46.666666666666700	98.31932773109240	1.680672268907560	53.333333333333300	77.6536312849162	76.47058823529410
23		87.15083798882680	78.0952380952381	0.8286548874323170	0.8723404255319150	0.7068965517241380	29.310344827586200	95.0413223140496	4.958677685950410	70.6896551724138	83.24022346368710	83.69565217391310
24		77.09497206703910	66.11570247933890	0.7353938445487740	0.8	0.5633802816901410	43.66197183098590	90.74074074074080	9.25925925925926	56.33802816901410	80.44692737430170	81.48148148148150
25		85.47486033519550	72.3404255319149	0.7889296187683290	0.8717948717948720	0.6181818181818180	38.18181818181820	95.96774193548390	4.032258064516130	61.81818181818180	81.56424581005590	81.14285714285710
26		91.62011173184360	84.21052631578950	0.876531862745098	0.9090909090909090	0.7843137254901960	21.568627450980400	96.875	3.125	78.43137254901960	82.12290502793300	82.6086956521739
27		85.47486033519550	71.1111111111111	0.7863817401960780	0.8205128205128210	0.6274509803921570	37.254901960784300	94.53125	5.46875	62.745098039215700	75.97765363128490	77.00534759358290
28		88.26815642458100	74.6987951807229	0.8226430976430980	0.7948717948717950	0.7045454545454550	29.545454545454500	94.07407407407410	5.9259259259259300	70.45454545454550	77.6536312849162	80.3921568627451
29		89.3854748603352	80.80808080808080	0.8475073313782990	0.9090909090909090	0.7272727272727270	27.27272727272730	96.7741935483871	3.225806451612900	72.72727272727270	75.41899441340780	75.55555555555560
30		82.68156424581010	66.66666666666670	0.755037037037037	0.7948717948717950	0.5740740740740740	42.592592592592600	93.60000000000000	6.4	57.407407407407400	84.35754189944130	83.90804597701150
31		83.24022346368710	64.28571428571430	0.7399303452453060	0.84375	0.5192307692307690	48.07692307692310	96.06299212598430	3.937007874015750	51.92307692307690	83.79888268156430	84.81675392670160
32		80.44692737430170	62.365591397849500	0.7285185185185190	0.7435897435897440	0.5370370370370370	46.2962962962963	92.0	8.0	53.70370370370370	74.86033519553070	76.19047619047620
33		78.77094972067040	57.77777777777780	0.7007407407407410	0.7222222222222220	0.48148148148148100	51.85185185185190	92.0	8.0	48.148148148148100	76.53631284916200	78.12500000000000
34		84.35754189944130	72.00000000000000	0.7889082462253190	0.8181818181818180	0.6428571428571430	35.714285714285700	93.4959349593496	6.504065040650410	64.28571428571430	77.6536312849162	77.77777777777780
35		81.00558659217880	66.00000000000000	0.7463276836158190	0.8048780487804880	0.559322033898305	44.06779661016950	93.33333333333330	6.666666666666670	55.932203389830500	76.53631284916200	77.89473684210530
36		82.12290502793300	61.904761904761900	0.7263779527559050	0.8125	0.5	50.0	95.2755905511811	4.724409448818900	50.0	71.50837988826820	70.52023121387280
37		85.47486033519550	74.50980392156870	0.8067653890824620	0.8260869565217390	0.6785714285714290	32.142857142857100	93.4959349593496	6.504065040650410	67.85714285714290	74.30167597765360	74.72527472527470
38		85.47486033519550	75.47169811320750	0.8081232492997200	0.8695652173913040	0.6666666666666670	33.33333333333330	94.9579831932773	5.042016806722690	66.66666666666670	72.62569832402240	73.224043715847
39		82.68156424581010	68.68686868686870	0.7687683284457480	0.7727272727272730	0.6181818181818180	38.18181818181820	91.93548387096770	8.064516129032260	61.81818181818180	80.44692737430170	83.09178743961350
40		85.47486033519550	76.78571428571430	0.8168596636338570	0.86	0.6935483870967740	30.64516129032260	94.01709401709400	5.982905982905980	69.35483870967740	79.3296089385475	79.78142076502730
41		83.79888268156430	65.88235294117650	0.7464809384164220	0.9333333333333330	0.5090909090909090	49.09090909090910	98.38709677419360	1.6129032258064500	50.90909090909090	74.30167597765360	72.94117647058830
42		82.12290502793300	65.95744680851060	0.7465802222855510	0.8611111111111110	0.5344827586206900	46.55172413793100	95.86776859504130	4.132231404958680	53.44827586206900	77.6536312849162	78.26086956521740
43		86.59217877094970	70.73170731707320	0.7805337519623230	0.8787878787878790	0.5918367346938780	40.816326530612200	96.92307692307690	3.076923076923080	59.183673469387800	80.44692737430170	79.53216374269010
44		85.47486033519550	72.34042553191490	0.7859505320678750	0.918918918918919	0.5964912280701750	40.35087719298250	97.54098360655740	2.459016393442620	59.64912280701750	84.91620111731840	85.56149732620320
45		79.88826815642460	62.5	0.7247151986662960	0.8571428571428570	0.4918032786885250	50.81967213114750	95.76271186440680	4.23728813559322	49.18032786885250	75.97765363128490	76.24309392265190
46		90.5027932960894	82.4742268041237	0.8555718475073310	0.9523809523809520	0.7272727272727270	27.27272727272730	98.38709677419360	1.6129032258064500	72.72727272727270	76.53631284916200	77.41935483870970
47		87.15083798882680	77.22772277227720	0.8180084745762710	0.9285714285714290	0.6610169491525420	33.89830508474580	97.5	2.5	66.10169491525420	79.88826815642460	80.64516129032260
48		83.24022346368710	65.9090909090909	0.7485185185185190	0.8529411764705880	0.5370370370370370	46.2962962962963	96.0	4.0	53.70370370370370	73.18435754189940	76.23762376237620
49		82.68156424581010	71.55963302752290	0.7793513957307060	0.8478260869565220	0.6190476190476190	38.095238095238100	93.96551724137930	6.0344827586206900	61.904761904761900	78.2122905027933	78.45303867403320
50		76.53631284916200	64.40677966101690	0.7265057113187950	0.8260869565217390	0.5277777777777780	47.22222222222220	92.5233644859813	7.476635514018690	52.77777777777780	77.6536312849162	79.79797979797980
51		84.35754189944130	75.0	0.8000399786780380	0.9333333333333330	0.6268656716417910	37.3134328358209	97.32142857142860	2.6785714285714300	62.68656716417910	75.41899441340780	73.49397590361450
52		79.88826815642460	62.500000000000000	0.7250706214689270	0.8108108108108110	0.5084745762711860	49.152542372881400	94.16666666666670	5.833333333333330	50.847457627118600	79.3296089385475	79.55801104972380
53		79.3296089385475	59.34065934065930	0.7081932773109240	0.8709677419354840	0.45	55.00000000000000	96.63865546218490	3.361344537815130	45.0	73.18435754189940	73.62637362637360
54		89.3854748603352	79.56989247311830	0.837151841868823	0.925	0.6981132075471700	30.18867924528300	97.61904761904760	2.380952380952380	69.81132075471700	75.41899441340780	74.4186046511628
55		84.91620111731840	70.32967032967030	0.7780772686433060	0.8421052631578950	0.6037735849056600	39.62264150943400	95.23809523809520	4.761904761904760	60.37735849056600	77.09497206703910	78.3068783068783
56		87.70949720670390	78.43137254901960	0.8383703703703700	0.8333333333333330	0.7407407407407410	25.925925925925900	93.60000000000000	6.4	74.07407407407410	78.2122905027933	77.96610169491530
57		86.03351955307260	73.11827956989250	0.7913763066202090	0.918918918918919	0.6071428571428570	39.285714285714300	97.5609756097561	2.4390243902439000	60.71428571428570	81.56424581005590	83.07692307692310
58		84.35754189944130	69.56521739130440	0.7684066724187520	0.9142857142857140	0.5614035087719300	43.859649122807000	97.54098360655740	2.459016393442620	56.14035087719300	79.88826815642460	81.44329896907220
59		88.8268156424581	79.16666666666670	0.8311556329849010	0.95	0.6785714285714290	32.142857142857100	98.3739837398374	1.6260162601626000	67.85714285714290	78.77094972067040	81.37254901960790
60		81.56424581005590	69.72477064220180	0.767104542966612	0.8260869565217390	0.6031746031746030	39.68253968253970	93.10344827586210	6.896551724137930	60.317460317460300	76.53631284916200	77.65957446808510
61		85.47486033519550	67.5	0.767162471395881	0.7941176470588240	0.5869565217391310	41.30434782608700	94.73684210526320	5.263157894736840	58.69565217391310	80.44692737430170	83.87096774193550
62		88.26815642458100	80.37383177570090	0.8397471519866630	0.9347826086956520	0.7049180327868850	29.508196721311500	97.45762711864410	2.5423728813559300	70.49180327868850	82.68156424581010	82.68156424581010
63		88.26815642458100	74.07407407407410	0.8149831649831650	0.8108108108108110	0.6818181818181820	31.81818181818180	94.81481481481480	5.185185185185190	68.18181818181820	75.41899441340780	76.84210526315790
64		82.68156424581010	69.30693069306930	0.7674435028248590	0.8333333333333330	0.5932203389830510	40.67796610169490	94.16666666666670	5.833333333333330	59.32203389830510	80.44692737430170	79.28994082840240
65		84.91620111731840	70.32967032967030	0.7824754901960780	0.8	0.6274509803921570	37.254901960784300	93.75	6.25	62.745098039215700	82.12290502793300	82.97872340425530
66		88.26815642458100	76.92307692307690	0.8302197802197800	0.8333333333333330	0.7142857142857140	28.57142857142860	94.61538461538460	5.384615384615390	71.42857142857140	74.30167597765360	75.26881720430110
67		85.47486033519550	71.73913043478260	0.7824477351916380	0.9166666666666670	0.5892857142857140	41.07142857142860	97.5609756097561	2.4390243902439000	58.92857142857140	70.94972067039110	72.63157894736840
68		83.24022346368710	72.72727272727270	0.7883926109732560	0.8333333333333330	0.6451612903225810	35.483870967741900	93.16239316239320	6.837606837606840	64.51612903225810	83.24022346368710	83.51648351648350
69		84.35754189944130	68.18181818181820	0.7689922480620160	0.7894736842105260	0.6	40.0	93.7984496124031	6.2015503875969	60.0	79.88826815642460	80.85106382978720
70		79.3296089385475	62.626262626262600	0.7268478573482890	0.7380952380952380	0.543859649122807	45.614035087719300	90.98360655737700	9.01639344262295	54.385964912280700	77.6536312849162	77.27272727272730
71		83.79888268156430	73.39449541284400	0.7939705473742710	0.8333333333333330	0.6557377049180330	34.42622950819670	93.22033898305080	6.779661016949150	65.57377049180330	77.09497206703910	78.07486631016040
72		83.79888268156430	71.84466019417480	0.7859076660017100	0.8222222222222220	0.6379310344827590	36.206896551724100	93.38842975206610	6.6115702479338800	63.793103448275900	76.53631284916200	74.6987951807229
73		85.47486033519550	69.76744186046510	0.7767441860465120	0.8333333333333330	0.6	40.0	95.34883720930230	4.651162790697680	60.0	79.88826815642460	80.64516129032260
74		87.70949720670390	79.24528301886790	0.8331932773109240	0.9130434782608700	0.7	30.0	96.63865546218490	3.361344537815130	70.0	82.12290502793300	82.02247191011230
75		88.26815642458100	80.37383177570090	0.8458962667426620	0.8775510204081630	0.7413793103448280	25.86206896551720	95.0413223140496	4.958677685950410	74.13793103448280	80.44692737430170	81.08108108108110
76		87.15083798882680	73.5632183908046	0.7981004901960780	0.8888888888888890	0.6274509803921570	37.254901960784300	96.875	3.125	62.745098039215700	81.00558659217880	81.5217391304348
77		81.00558659217880	65.3061224489796	0.7482962962962960	0.7272727272727270	0.5925925925925930	40.74074074074070	90.4	9.6	59.25925925925930	74.86033519553070	75.40983606557380
78		86.59217877094970	73.33333333333330	0.8000919117647060	0.8461538461538460	0.6470588235294120	35.294117647058800	95.3125	4.6875	64.70588235294120	81.00558659217880	82.82828282828280
79		87.70949720670390	78.0	0.8221751412429380	0.9512195121951220	0.6610169491525420	33.89830508474580	98.33333333333330	1.6666666666666700	66.10169491525420	81.00558659217880	79.51807228915660
80		86.59217877094970	70.0	0.7817914351095130	0.8235294117647060	0.6086956521739130	39.130434782608700	95.48872180451130	4.511278195488720	60.86956521739130	78.2122905027933	81.69014084507040
81		85.47486033519550	73.46938775510210	0.7938159019663720	0.9	0.6206896551724140	37.93103448275860	96.69421487603310	3.3057851239669400	62.06896551724140	75.97765363128490	77.00534759358290
82		86.03351955307260	71.26436781609200	0.789403453689168	0.8157894736842110	0.6326530612244900	36.734693877551000	94.61538461538460	5.384615384615390	63.26530612244900	77.6536312849162	78.72340425531920
83		86.03351955307260	73.68421052631580	0.7916666666666670	1.0	0.5833333333333330	41.66666666666670	100.0	0.0	58.333333333333300	80.44692737430170	80.66298342541440
84		87.70949720670390	76.08695652173910	0.8084349593495940	0.9722222222222220	0.625	37.5	99.1869918699187	0.8130081300813010	62.5	83.79888268156430	83.97790055248620
85		83.24022346368710	62.500000000000000	0.7465800273597810	0.6756756756756760	0.5813953488372090	41.86046511627910	91.17647058823530	8.823529411764710	58.139534883720900	79.3296089385475	80.21390374331550
86		84.35754189944130	73.58490566037740	0.7971751412429380	0.8297872340425530	0.6610169491525420	33.89830508474580	93.33333333333330	6.666666666666670	66.10169491525420	79.3296089385475	79.3296089385475
87		88.8268156424581	77.77777777777780	0.8275122549019610	0.8974358974358980	0.6862745098039220	31.372549019607800	96.875	3.125	68.62745098039220	82.12290502793300	82.41758241758240
88		87.15083798882680	73.56321839080460	0.7958812840702610	0.9142857142857140	0.6153846153846150	38.46153846153850	97.63779527559060	2.3622047244094500	61.53846153846150	80.44692737430170	80.44692737430170
89		85.47486033519550	70.45454545454550	0.7783918837068440	0.8611111111111110	0.5961538461538460	40.38461538461540	96.06299212598430	3.937007874015750	59.61538461538460	74.30167597765360	74.15730337078650
90		84.35754189944130	73.07692307692310	0.7902889691580990	0.8837209302325580	0.6229508196721310	37.70491803278690	95.76271186440680	4.23728813559322	62.295081967213100	81.56424581005590	80.92485549132950
91		88.8268156424581	77.27272727272730	0.8351869761444230	0.8292682926829270	0.723404255319149	27.659574468085100	94.6969696969697	5.303030303030300	72.3404255319149	78.77094972067040	77.6470588235294
92		82.68156424581010	66.66666666666670	0.7502118644067800	0.9117647058823530	0.5254237288135590	47.45762711864410	97.5	2.5	52.54237288135590	81.56424581005590	82.90155440414510
93		86.03351955307260	71.91011235955060	0.7989821882951650	0.7804878048780490	0.6666666666666670	33.33333333333330	93.12977099236640	6.870229007633590	66.66666666666670	83.79888268156430	84.15300546448090
94		82.12290502793300	64.44444444444440	0.7473643410852710	0.725	0.58	42.0	91.47286821705430	8.527131782945740	58.00000000000000	77.6536312849162	79.79797979797980
95		83.79888268156430	71.28712871287130	0.7800847457627120	0.8571428571428570	0.6101694915254240	38.983050847457600	95.0	5.0	61.016949152542400	79.3296089385475	78.61271676300580
96		84.35754189944130	68.88888888888890	0.767037037037037	0.8611111111111110	0.5740740740740740	42.592592592592600	96.0	4.0	57.407407407407400	71.50837988826820	71.1864406779661
97		84.35754189944130	74.54545454545460	0.7995347564313080	0.8723404255319150	0.6507936507936510	34.92063492063490	94.82758620689660	5.172413793103450	65.07936507936510	77.09497206703910	77.34806629834250
98		84.91620111731840	72.72727272727270	0.7999401018268940	0.782608695652174	0.6792452830188680	32.075471698113200	92.06349206349210	7.936507936507940	67.9245283018868	81.56424581005590	81.56424581005590
99		84.91620111731840	70.32967032967030	0.7762962962962960	0.8648648648648650	0.5925925925925930	40.74074074074070	96.0	4.0	59.25925925925930	80.44692737430170	77.70700636942680
	Mean	**84.74860335195530**	**71.4083950799508**	**0.7847174623051110**	**0.854361849100874**	**0.61701073582221**	**38.298926417779**	**95.24241887880130**	**4.75758112119873**	**61.701073582221**	**78.5810055865922**	**79.09522044703040**
	Standard Deviation	3.03455595663564	5.74398274719143	0.0375719364455850	0.0607427108396408	0.070274728374605	7.0274728374605	2.03122731632055	2.03122731632055	7.0274728374605	3.05187652756651	3.20543297948785
	T Test Significance (Female to Male)	**0.0000000292768275**	**0.000000000000012**	**0.129706683642131**	**0.877003027073397**	**0.0000000000000000**	**0.0000000000000000**	**0.0000000000000000**	**0.0000000000000000**	**0.0000000000000000**		

		B_M_ROC_AUC	B_M_Precision	B_M_Recall	B_M_FNR	B_M_TNR	B_M_FPR	B_M_TPR
0		0.8249559082892420	0.875	0.7857142857142860	21.428571428571400	86.41975308641980	13.580246913580200	78.57142857142860
1		0.7762796504369540	0.8024691358024690	0.7303370786516850	26.96629213483150	82.22222222222220	17.77777777777780	73.03370786516850
2		0.7820224719101120	0.7906976744186050	0.7640449438202250	23.595505617977500	80.0	20.0	76.40449438202250
3		0.8141074611662850	0.8941176470588240	0.7450980392156860	25.49019607843140	88.31168831168830	11.688311688311700	74.50980392156860
4		0.7852315394242800	0.8395061728395060	0.723404255319149	27.659574468085100	84.70588235294120	15.294117647058800	72.3404255319149
5		0.8211788211788210	0.8241758241758240	0.8241758241758240	17.582417582417600	81.81818181818180	18.181818181818200	82.41758241758240
6		0.7537966537966540	0.8260869565217390	0.7238095238095240	27.61904761904760	78.37837837837840	21.62162162162160	72.38095238095240
7		0.7962442514052120	0.851063829787234	0.7766990291262140	22.330097087378600	81.57894736842110	18.421052631578900	77.66990291262140
8		0.8053797468354430	0.872093023255814	0.75	25.0	86.07594936708860	13.924050632911400	75.0
9		0.7814293166405840	0.8837209302325580	0.7037037037037040	29.629629629629600	85.91549295774650	14.084507042253500	70.37037037037040
10		0.7995006242197250	0.8857142857142860	0.6888888888888890	31.11111111111110	91.01123595505620	8.98876404494382	68.88888888888890
11		0.786474358974359	0.8494623655913980	0.7596153846153850	24.03846153846150	81.33333333333330	18.666666666666700	75.96153846153850
12		0.8325837081459270	0.8444444444444440	0.8260869565217390	17.391304347826100	83.9080459770115	16.091954022988500	82.6086956521739
13		0.7994498624656160	0.8202247191011240	0.7849462365591400	21.50537634408600	81.3953488372093	18.6046511627907	78.49462365591400
14		0.789424280350438	0.8255813953488370	0.7553191489361700	24.46808510638300	82.35294117647060	17.647058823529400	75.53191489361700
15		0.8120512820512820	0.9047619047619050	0.7307692307692310	26.923076923076900	89.33333333333330	10.666666666666700	73.07692307692310
16		0.7869005994005990	0.7676767676767680	0.8351648351648350	16.483516483516500	73.86363636363640	26.136363636363600	83.51648351648350
17		0.742234848484849	0.8023255813953490	0.696969696969697	30.303030303030300	78.75	21.25	69.6969696969697
18		0.7779444861215300	0.7446808510638300	0.813953488372093	18.6046511627907	74.19354838709680	25.806451612903200	81.3953488372093
19		0.7744436109027260	0.7948717948717950	0.7209302325581400	27.906976744186000	82.79569892473120	17.20430107526880	72.09302325581400
20		0.7709588353413660	0.7956989247311830	0.7708333333333330	22.916666666666700	77.10843373493980	22.89156626506020	77.08333333333330
21		0.7832896461336830	0.8631578947368420	0.7522935779816510	24.770642201834900	81.42857142857140	18.571428571428600	75.22935779816510
22		0.7762796504369540	0.8024691358024690	0.7303370786516850	26.96629213483150	82.22222222222220	17.77777777777780	73.03370786516850
23		0.8388888888888890	0.9058823529411770	0.7777777777777780	22.22222222222220	90.0	10.0	77.77777777777780
24		0.8090506329113920	0.8651685393258430	0.77	23.0	84.81012658227850	15.18987341772150	77.0
25		0.8156546726636680	0.8068181818181820	0.8160919540229890	18.39080459770120	81.52173913043480	18.478260869565200	81.60919540229890
26		0.8246794065878800	0.8735632183908050	0.7835051546391750	21.649484536082500	86.58536585365850	13.414634146341500	78.35051546391750
27		0.7624086671705720	0.8089887640449440	0.7346938775510200	26.53061224489800	79.01234567901230	20.98765432098770	73.46938775510210
28		0.798110661268556	0.9111111111111110	0.7192982456140350	28.07017543859650	87.6923076923077	12.307692307692300	71.9298245614035
29		0.7558197747183980	0.7906976744186050	0.723404255319149	27.659574468085100	78.82352941176470	21.176470588235300	72.3404255319149
30		0.8450149925037480	0.8902439024390240	0.7934782608695650	20.652173913043500	89.65517241379310	10.344827586206900	79.34782608695650
31		0.8432977913175930	0.9	0.801980198019802	19.801980198019800	88.46153846153850	11.538461538461500	80.19801980198020
32		0.7500629881582260	0.7912087912087910	0.7346938775510200	26.53061224489800	76.5432098765432	23.456790123456800	73.46938775510210
33		0.7760617760617760	0.8620689655172410	0.7142857142857140	28.57142857142860	83.78378378378380	16.216216216216200	71.42857142857140
34		0.7765293383270910	0.7777777777777780	0.7777777777777780	22.22222222222220	77.52808988764050	22.47191011235960	77.77777777777780
35		0.7674873737373740	0.8131868131868130	0.7474747474747480	25.252525252525300	78.75	21.25	74.74747474747480
36		0.7248047367094990	0.8133333333333330	0.6224489795918370	37.755102040816300	82.71604938271610	17.28395061728400	62.244897959183700
37		0.7602564102564100	0.8717948717948720	0.6538461538461540	34.61538461538460	86.66666666666670	13.333333333333300	65.38461538461540
38		0.7397164026571280	0.8375	0.6504854368932040	34.95145631067960	82.89473684210530	17.105263157894700	65.0485436893204
39		0.8046469366562820	0.86	0.8037383177570090	19.626168224299100	80.55555555555560	19.444444444444400	80.37383177570090
40		0.7932908545727140	0.8021978021978020	0.7934782608695650	20.652173913043500	79.3103448275862	20.689655172413800	79.34782608695650
41		0.7489348370927320	0.8266666666666670	0.6526315789473690	34.73684210526320	84.52380952380950	15.476190476190500	65.26315789473690
42		0.7770963704630790	0.8	0.7659574468085110	23.404255319148900	78.82352941176470	21.176470588235300	76.59574468085110
43		0.8042446941323350	0.8292682926829270	0.7640449438202250	23.595505617977500	84.44444444444440	15.555555555555600	76.40449438202250
44		0.8556962025316460	0.9195402298850580	0.8	20.0	91.13924050632910	8.860759493670890	80.0
45		0.7656210632401110	0.8313253012048190	0.7040816326530610	29.591836734693900	82.71604938271610	17.28395061728400	70.40816326530610
46		0.766566265060241	0.8	0.75	25.0	78.3132530120482	21.686746987951800	75.0
47		0.8114460909555440	0.9036144578313250	0.7281553398058250	27.184466019417500	89.47368421052630	10.526315789473700	72.81553398058250
48		0.7367631716223260	0.8191489361702130	0.7129629629629630	28.703703703703700	76.05633802816900	23.943661971831000	71.29629629629630
49		0.7854543172690760	0.8352941176470590	0.7395833333333330	26.041666666666700	83.13253012048190	16.867469879518100	73.95833333333330
50		0.773989898989899	0.797979797979798	0.797979797979798	20.2020202020202	75.0	25.0	79.7979797979798
51		0.7556193806193810	0.8133333333333330	0.6703296703296700	32.967032967033000	84.0909090909091	15.909090909090900	67.03296703296700
52		0.8011363636363640	0.8780487804878050	0.7272727272727270	27.27272727272730	87.5	12.5	72.72727272727270
53		0.741939578573242	0.8271604938271610	0.6633663366336630	33.663366336633700	82.05128205128200	17.94871794871800	66.33663366336630
54		0.7628237364847880	0.8533333333333330	0.6597938144329900	34.02061855670100	86.58536585365850	13.414634146341500	65.97938144329900
55		0.7783295136236310	0.8505747126436780	0.7254901960784310	27.450980392156900	83.11688311688310	16.883116883116900	72.54901960784310
56		0.7857769423558900	0.8414634146341460	0.7263157894736840	27.368421052631600	84.52380952380950	15.476190476190500	72.63157894736840
57		0.8153409090909090	0.84375	0.8181818181818180	18.181818181818200	81.25	18.75	81.81818181818180
58		0.8086229086229090	0.8876404494382020	0.7523809523809520	24.761904761904800	86.48648648648650	13.513513513513500	75.23809523809520
59		0.797562582345191	0.8829787234042550	0.7545454545454550	24.545454545454500	84.05797101449280	15.942028985507200	75.45454545454550
60		0.7675107079868990	0.8111111111111110	0.7448979591836740	25.510204081632700	79.01234567901230	20.98765432098770	74.48979591836740
61		0.8200194498471800	0.9191919191919190	0.7711864406779660	22.88135593220340	86.88524590163930	13.114754098360700	77.11864406779660
62		0.8274612693653170	0.8505747126436780	0.8043478260869570	19.565217391304300	85.0574712643678	14.942528735632200	80.43478260869570
63		0.7604405398523050	0.8295454545454550	0.7156862745098040	28.431372549019600	80.51948051948050	19.480519480519500	71.56862745098040
64		0.8066591704147930	0.8701298701298700	0.7282608695652170	27.173913043478300	88.50574712643680	11.494252873563200	72.82608695652170
65		0.8227935629871760	0.8571428571428570	0.8041237113402060	19.587628865979400	84.14634146341460	15.853658536585400	80.41237113402060
66		0.7472853535353540	0.8045977011494250	0.7070707070707070	29.292929292929300	78.75	21.25	70.70707070707070
67		0.7165304036791010	0.7931034482758620	0.6699029126213590	33.00970873786410	76.31578947368420	23.684210526315800	66.99029126213590
68		0.8330207551887970	0.8539325842696630	0.8172043010752690	18.27956989247310	84.88372093023260	15.11627906976740	81.72043010752690
69		0.8146074646074650	0.9156626506024100	0.7238095238095240	27.61904761904760	90.54054054054050	9.45945945945946	72.38095238095240
70		0.7893670886075950	0.8947368421052630	0.68	32.0	89.87341772151900	10.126582278481000	68.0
71		0.7749368686868690	0.8295454545454550	0.7373737373737370	26.262626262626300	81.25	18.75	73.73737373737370
72		0.7643606393606390	0.7948717948717950	0.7045454545454550	29.545454545454500	82.41758241758240	17.582417582417600	70.45454545454550
73		0.8024061476442430	0.8522727272727270	0.7653061224489800	23.46938775510200	83.9506172839506	16.049382716049400	76.53061224489800
74		0.8246867167919800	0.8795180722891570	0.7684210526315790	23.157894736842100	88.09523809523810	11.904761904761900	76.84210526315790
75		0.8041333666333670	0.7978723404255320	0.8241758241758240	17.582417582417600	78.4090909090909	21.59090909090910	82.41758241758240
76		0.8200050774308200	0.9036144578313250	0.7425742574257430	25.742574257425700	89.74358974358980	10.256410256410300	74.25742574257430
77		0.7563924050632910	0.8313253012048190	0.69	31.0	82.27848101265820	17.72151898734180	69.0
78		0.8206775700934580	0.9010989010989010	0.7663551401869160	23.364485981308400	87.5	12.5	76.63551401869160
79		0.811500999000999	0.88	0.7252747252747250	27.472527472527500	89.77272727272730	10.227272727272700	72.52747252747250
80		0.7795125164690380	0.8446601941747570	0.7909090909090910	20.909090909090900	76.81159420289860	23.18840579710150	79.0909090909091
81		0.7808930425752860	0.9	0.6728971962616820	32.71028037383180	88.88888888888890	11.11111111111110	67.28971962616820
82		0.7848230201171380	0.8604651162790700	0.7254901960784310	27.450980392156900	84.4155844155844	15.584415584415600	72.54901960784310
83		0.8124368686868690	0.8902439024390240	0.7373737373737370	26.262626262626300	88.75	11.25	73.73737373737370
84		0.839549436795995	0.8735632183908050	0.8085106382978720	19.148936170212800	87.05882352941180	12.941176470588200	80.85106382978720
85		0.7975378787878790	0.8522727272727270	0.7575757575757580	24.242424242424200	83.75	16.25	75.75757575757580
86		0.793518981018981	0.8068181818181820	0.7802197802197800	21.978021978022000	80.68181818181820	19.318181818181800	78.02197802197800
87		0.8233082706766920	0.8620689655172410	0.7894736842105260	21.052631578947400	85.71428571428570	14.285714285714300	78.94736842105260
88		0.8044943820224720	0.8089887640449440	0.8	20.0	80.89887640449440	19.101123595505600	80.0
89		0.7611778231987740	0.88	0.6407766990291260	35.92233009708740	88.1578947368421	11.842105263157900	64.07766990291260
90		0.8154806491885150	0.8333333333333330	0.7865168539325840	21.34831460674160	84.44444444444440	15.555555555555600	78.65168539325840
91		0.7880149812734080	0.825	0.7333333333333330	26.666666666666700	84.26966292134830	15.730337078651700	73.33333333333330
92		0.8246153846153850	0.898876404494382	0.7692307692307690	23.076923076923100	88.0	12.0	76.92307692307690
93		0.8378901373283400	0.8279569892473120	0.8555555555555560	14.444444444444400	82.02247191011240	17.97752808988760	85.55555555555560
94		0.7798076923076920	0.8404255319148940	0.7596153846153850	24.03846153846150	80.0	20.0	75.96153846153850
95		0.7983709273182960	0.8717948717948720	0.7157894736842110	28.421052631578900	88.09523809523810	11.904761904761900	71.57894736842110
96		0.7263924050632910	0.8181818181818180	0.63	37.0	82.27848101265820	17.72151898734180	63.0
97		0.7846956964604020	0.8860759493670890	0.6862745098039220	31.372549019607800	88.31168831168830	11.688311688311700	68.62745098039220
98		0.818734335839599	0.8690476190476190	0.7684210526315790	23.157894736842100	86.90476190476190	13.095238095238100	76.84210526315790
99		0.8004419191919190	0.7922077922077920	0.7625	23.75	83.83838383838380	16.161616161616200	76.25
	Mean	**0.7906740065170280**	**0.84494493980242**	**0.745856081111063**	**25.4143918888937**	**83.5491931922992**	**16.4508068077008**	**74.5856081111063**
	Standard Deviation	0.0293412237985650	0.0391866874508032	0.0493444951908078	4.93444951908078	4.16356144691541	4.16356144691541	4.93444951908078
	T Test Significance (Female to Male)							

3.1.2 Balanced training data, no feature selection - Logistic Regression Classifier

		B_Accuracy	B_FScore	B_ROC_AUC	B_Precision	B_Recall
0		74.02234636871510	65.68265682656830	0.720117965885541	0.754237288135593	0.581699346405229
1		76.25698324022350	67.9245283018868	0.740042230540359	0.789473684210526	0.596026490066225
2		74.30167597765360	65.67164179104480	0.723040846721805	0.792792792792793	0.560509554140127
3		71.22905027932960	61.99261992619930	0.694879717501655	0.763636363636364	0.521739130434783
4		76.81564245810060	67.95366795366800	0.743081549732860	0.814814814814815	0.582781456953642
5		75.13966480446930	68.77192982456140	0.737949969493594	0.720588235294118	0.657718120805369
6		74.30167597765360	65.92592592592590	0.722556990275785	0.760683760683761	0.581699346405229
7		74.02234636871510	65.93406593406590	0.722717360386840	0.789473684210526	0.566037735849057
8		74.30167597765360	68.05555555555560	0.735747568564906	0.837606837606838	0.573099415204678
9		74.30167597765360	64.0625	0.715122265122265	0.759259259259259	0.554054054054054
10		76.25698324022350	65.86345381526100	0.731293615921427	0.796116504854369	0.561643835616438
11		72.06703910614520	62.12121212121210	0.698957442088918	0.766355140186916	0.522292993630573
12		73.46368715083800	57.77777777777780	0.684265218557254	0.698924731182796	0.492424242424242
13		76.25698324022350	67.18146718146720	0.737607174534345	0.725	0.625899280575540
14		70.6703910614525	59.77011494252870	0.687981752398930	0.795918367346939	0.478527607361963
15		74.86033519553070	65.90909090909090	0.724871299871300	0.75	0.587837837837838
16		75.41899441340780	66.412213740458	0.730108455705922	0.783783783783784	0.576158940397351
17		77.09497206703910	70.92198581560280	0.756455696202532	0.806451612903226	0.632911392405063
18		73.74301675977650	64.39393939393940	0.715974268783471	0.794392523364486	0.541401273885350
19		74.02234636871510	65.16853932584270	0.717728442728443	0.731092436974790	0.587837837837838
20		77.37430167597770	68.72586872586870	0.748589743589744	0.816513761467890	0.593333333333333
21		72.3463687150838	64.25992779783390	0.710780622489960	0.801801801801802	0.536144578313253
22		76.81564245810060	66.66666666666670	0.736721418116767	0.783018867924528	0.580419580419580
23		74.86033519553070	66.4179104477612	0.729145569620253	0.809090909090909	0.563291139240506
24		76.53631284916200	66.66666666666670	0.737082893431871	0.831683168316832	0.556291390728477
25		75.69832402234640	66.92015209125480	0.733648441492080	0.792792792792793	0.578947368421053
26		75.97765363128490	69.50354609929080	0.747234096052301	0.830508474576271	0.597560975609756
27		76.25698324022350	68.40148698884760	0.744082045447363	0.836363636363636	0.578616352201258
28		72.3463687150838	65.50522648083620	0.710707191726834	0.746031746031746	0.583850931677019
29		74.02234636871510	64.90566037735850	0.716835410176532	0.710743801652893	0.597222222222222
30		75.97765363128490	68.84057971014490	0.743465756455232	0.811965811965812	0.597484276729560
31		75.13966480446930	65.90038314176250	0.726124321530111	0.747826086956522	0.589041095890411
32		73.18435754189940	62.20472440944880	0.705577625933577	0.797979797979798	0.509677419354839
33		75.13966480446930	65.63706563706560	0.725426286888668	0.772727272727273	0.570469798657718
34		77.37430167597770	68.72586872586870	0.749049803407602	0.747899159663866	0.635714285714286
35		73.74301675977650	64.39393939393940	0.716487341772152	0.801886792452830	0.537974683544304
36		71.50837988826820	60.76923076923080	0.695357772738725	0.806122448979592	0.487654320987654
37		79.60893854748600	72.24334600760460	0.775065530799476	0.772357723577236	0.678571428571429
38		74.30167597765360	65.15151515151520	0.719787940725601	0.767857142857143	0.565789473684211
39		74.58100558659220	64.31372549019610	0.720181153662800	0.82	0.529032258064516
40		69.83240223463690	58.13953488372090	0.670673076923077	0.694444444444444	0.5
41		74.30167597765360	66.42335766423360	0.726771132200397	0.805309734513274	0.565217391304348
42		71.7877094972067	63.27272727272730	0.700316455696203	0.743589743589744	0.550632911392405
43		73.46368715083800	64.41947565543070	0.712147435897436	0.735042735042735	0.573333333333333
44		72.62569832402240	63.43283582089550	0.709454145036967	0.809523809523810	0.521472392638037
45		78.49162011173190	71.16104868913860	0.763803088803089	0.798319327731093	0.641891891891892
46		74.58100558659220	61.92468619246860	0.710044635689284	0.822222222222222	0.496644295302013
47		74.58100558659220	65.66037735849060	0.722535211267606	0.725	0.6
48		72.62569832402240	62.30769230769230	0.706632653061224	0.826530612244898	0.5
49		77.37430167597770	68.48249027237350	0.747455123470666	0.814814814814815	0.590604026845638
50		72.06703910614520	62.40601503759400	0.698776418242492	0.747747747747748	0.535483870967742
51		76.25698324022350	68.86446886446890	0.744112505959002	0.796610169491525	0.606451612903226
52		74.58100558659220	65.66037735849060	0.729161428212220	0.861386138613861	0.530487804878049
53		74.86033519553070	66.16541353383460	0.726890756302521	0.785714285714286	0.571428571428571
54		72.90502793296090	62.2568093385214	0.701470729905912	0.740740740740741	0.536912751677852
55		71.22905027932960	63.08243727598570	0.700645828761326	0.785714285714286	0.526946107784431
56		76.25698324022350	67.680608365019	0.739630161007493	0.809090909090909	0.581699346405229
57		76.25698324022350	68.86446886446890	0.746756109851348	0.846846846846847	0.580246913580247
58		72.3463687150838	63.46863468634690	0.702996971146182	0.728813559322034	0.562091503267974
59		72.06703910614520	62.40601503759400	0.697072072072072	0.703389830508475	0.560810810810811
60		78.2122905027933	72.91666666666670	0.770044191919192	0.8203125	0.65625
61		73.74301675977650	60.50420168067230	0.698980087421078	0.774193548387097	0.496551724137931
62		71.7877094972067	62.45353159851300	0.701258455246185	0.792452830188679	0.515337423312884
63		74.86033519553070	65.11627906976740	0.725227366352949	0.831683168316832	0.535031847133758
64		74.86033519553070	65.9090909090909	0.726865955826352	0.805555555555556	0.557692307692308
65		72.62569832402240	61.71875	0.698115025207925	0.738317757009346	0.530201342281879
66		74.30167597765360	67.37588652482270	0.730355795825999	0.805084745762712	0.579268292682927
67		75.97765363128490	68.84057971014490	0.743844696969697	0.818965517241379	0.59375
68		74.02234636871510	64.63878326996200	0.717543302081678	0.787037037037037	0.548387096774194
69		74.30167597765360	67.6056338028169	0.730827256726176	0.8	0.585365853658537
70		73.46368715083800	65.94982078853050	0.718370379943138	0.691729323308271	0.630136986301370
71		74.58100558659220	65.13409961685820	0.722052457346575	0.794392523364486	0.551948051948052
72		76.81564245810060	70.25089605734770	0.752899718719383	0.816666666666667	0.616352201257862
73		72.90502793296090	62.25680933852140	0.700744698073499	0.714285714285714	0.551724137931035
74		74.30167597765360	67.83216783216780	0.732272841365462	0.808333333333333	0.584337349397590
75		76.81564245810060	68.67924528301890	0.748475079801523	0.858490566037736	0.572327044025157
76		71.50837988826820	64.08450704225350	0.703783885542169	0.771186440677966	0.548192771084337
77		74.30167597765360	65.92592592592590	0.728246192494897	0.847619047619048	0.539393939393939
78		75.41899441340780	63.93442622950820	0.719616204690832	0.709090909090909	0.582089552238806
79		75.13966480446930	68.98954703832750	0.740901104417671	0.818181818181818	0.596385542168675
80		72.90502793296090	64.20664206642070	0.715173192771084	0.828571428571429	0.524096385542169
81		77.6536312849162	66.94214876033060	0.741530373831776	0.826530612244898	0.5625
82		74.58100558659220	66.17100371747210	0.725520419513746	0.780701754385965	0.574193548387097
83		73.74301675977650	66.42857142857140	0.721551478277403	0.756097560975610	0.592356687898089
84		75.41899441340780	66.41221374045800	0.731384077546480	0.813084112149533	0.561290322580645
85		76.25698324022350	66.13545816733070	0.732549891994712	0.798076923076923	0.564625850340136
86		72.06703910614520	61.53846153846150	0.696488161449229	0.761904761904762	0.516129032258065
87		74.86033519553070	66.91176470588240	0.729785478547855	0.784482758620690	0.583333333333333
88		75.97765363128490	66.14173228346460	0.730919003115265	0.763636363636364	0.583333333333333
89		75.97765363128490	65.60000000000000	0.733117542523483	0.872340425531915	0.525641025641026
90		74.02234636871510	64.9056603773585	0.718710332571719	0.788990825688073	0.551282051282051
91		71.50837988826820	61.36363636363640	0.690193527402830	0.669421487603306	0.566433566433567
92		71.7877094972067	62.73062730627310	0.707446808510638	0.841584158415842	0.5
93		78.49162011173190	70.0389105058366	0.759365902037944	0.849056603773585	0.596026490066225
94		77.09497206703910	67.71653543307090	0.742633755492375	0.796296296296296	0.589041095890411
95		75.97765363128490	68.61313868613140	0.741876110687992	0.796610169491525	0.602564102564103
96		77.09497206703910	69.40298507462690	0.753286880852540	0.869158878504673	0.577639751552795
97		73.46368715083800	65.2014652014652	0.719159981123171	0.809090909090909	0.546012269938650
98		72.62569832402240	64.23357664233580	0.710964291332390	0.792792792792793	0.539877300613497
99		71.7877094972067	62.45353159851300	0.695754792716997	0.7	0.563758389261745
	Mean	**74.53072625698320**	**65.6299276430387**	**0.723970334348543**	**0.785186328011587**	**0.565726003424060**
	Standard Deviation	1.95888328101459	2.88443397136394	0.019718711726634	0.043026953022217	0.038542638929737
	T Test Significance (Female to Male)					

		B_F_Accuracy	B_F_FScore	B_F_ROC_AUC	B_F_Precision	B_F_Recall	B_F_FNR	B_F_TNR	B_F_FPR	B_F_TPR
0		78.77094972067040	55.81395348837210	0.689956011730205	0.774193548387097	0.436363636363636	56.36363636363640	94.35483870967740	5.64516129032258	43.63636363636360
1		77.09497206703910	49.38271604938270	0.657624633431085	0.769230769230769	0.363636363636364	63.63636363636360	95.16129032258070	4.838709677419360	36.36363636363640
2		78.77094972067040	57.77777777777780	0.700402889691581	0.896551724137931	0.426229508196721	57.37704918032790	97.45762711864410	2.542372881355930	42.62295081967210
3		75.41899441340780	50.0	0.656597321174124	0.733333333333333	0.379310344827586	62.06896551724140	93.38842975206610	6.611570247933880	37.93103448275860
4		76.53631284916200	44.73684210526320	0.63841642228739	0.809523809523810	0.309090909090909	69.0909090909091	96.7741935483871	3.225806451612900	30.90909090909090
5		77.09497206703910	57.73195876288660	0.695621468926554	0.736842105263158	0.474576271186441	52.54237288135590	91.66666666666670	8.333333333333330	47.45762711864410
6		80.44692737430170	59.77011494252870	0.715839460784314	0.722222222222222	0.509803921568627	49.01960784313730	92.1875	7.8125	50.98039215686270
7		75.41899441340780	53.19148936170210	0.674763832658569	0.862068965517241	0.384615384615385	61.53846153846150	96.49122807017540	3.508771929824560	38.46153846153850
8		76.53631284916200	58.82352941176470	0.705111402359109	0.9375	0.428571428571429	57.14285714285710	98.1651376146789	1.834862385321100	42.85714285714290
9		81.56424581005590	53.52112676056340	0.683965348152991	0.76	0.413043478260870	58.69565217391310	95.48872180451130	4.511278195488720	41.30434782608700
10		78.2122905027933	49.35064935064940	0.662568306010929	0.95	0.333333333333333	66.66666666666670	99.18032786885250	0.819672131147541	33.33333333333330
11		74.30167597765360	43.90243902439030	0.634829119199778	0.857142857142857	0.295081967213115	70.49180327868850	97.45762711864410	2.542372881355930	29.50819672131150
12		76.53631284916200	36.36363636363640	0.604496124031008	0.75	0.24	76.0	96.89922480620150	3.10077519379845	24.0
13		78.77094972067040	52.50000000000000	0.674780058651026	0.84	0.381818181818182	61.81818181818180	96.7741935483871	3.225806451612900	38.18181818181820
14		73.18435754189940	44.18604651162790	0.633552271483306	0.826086956521739	0.301587301587302	69.84126984126980	96.55172413793100	3.448275862068970	30.15873015873020
15		77.6536312849162	52.38095238095240	0.671703703703704	0.733333333333333	0.407407407407407	59.25925925925930	93.60000000000000	6.4	40.74074074074070
16		79.3296089385475	58.42696629213480	0.703476774009689	0.838709677419355	0.448275862068966	55.17241379310340	95.86776859504130	4.132231404958680	44.82758620689660
17		78.77094972067040	58.69565217391310	0.703813559322034	0.818181818181818	0.457627118644068	54.23728813559320	95.0	5.0	45.76271186440680
18		74.30167597765360	34.28571428571430	0.596994134897361	0.8	0.218181818181818	78.18181818181820	97.58064516129030	2.419354838709680	21.81818181818180
19		78.77094972067040	48.64864864864870	0.657328891580860	0.818181818181818	0.346153846153846	65.38461538461540	96.8503937007874	3.149606299212600	34.61538461538460
20		81.00558659217880	56.41025641025640	0.695703703703704	0.916666666666667	0.407407407407407	59.25925925925930	98.4	1.6	40.74074074074070
21		75.97765363128490	49.41176470588230	0.660807830162669	0.913043478260870	0.338709677419355	66.12903225806450	98.29059829059830	1.709401709401710	33.87096774193550
22		79.3296089385475	49.31506849315070	0.660596546310832	0.75	0.367346938775510	63.26530612244900	95.38461538461540	4.615384615384620	36.73469387755100
23		78.77094972067040	52.5	0.675304878048780	0.875	0.375	62.5	97.5609756097561	2.439024390243900	37.5
24		77.6536312849162	48.71794871794870	0.661016949152542	1.0	0.322033898305085	67.79661016949150	100.0	0.0	32.20338983050850
25		77.6536312849162	48.71794871794870	0.657447735191638	0.863636363636364	0.339285714285714	66.07142857142860	97.5609756097561	2.439024390243900	33.92857142857140
26		75.97765363128490	50.57471264367820	0.664598842018197	0.88	0.354838709677419	64.51612903225810	97.43589743589740	2.564102564102560	35.48387096774190
27		78.2122905027933	48.0	0.654666666666667	0.857142857142857	0.333333333333333	66.66666666666670	97.6	2.4	33.33333333333330
28		74.86033519553070	52.63157894736840	0.670377867746289	0.833333333333333	0.384615384615385	61.53846153846150	95.6140350877193	4.385964912280700	38.46153846153850
29		77.6536312849162	48.71794871794870	0.656598240469208	0.826086956521739	0.345454545454545	65.45454545454550	96.7741935483871	3.225806451612900	34.54545454545460
30		77.6536312849162	54.54545454545450	0.681837791199310	0.774193548387097	0.421052631578947	57.89473684210530	94.26229508196720	5.737704918032790	42.10526315789470
31		76.53631284916200	44.73684210526320	0.635416666666667	0.68	0.333333333333333	66.66666666666670	93.75	6.25	33.33333333333330
32		75.97765363128490	50.57471264367820	0.662324929971989	0.814814814814815	0.366666666666667	63.33333333333330	95.7983193277311	4.201680672268910	36.66666666666670
33		81.00558659217880	58.53658536585370	0.706155632984901	0.923076923076923	0.428571428571429	57.14285714285710	98.3739837398374	1.626016260162600	42.85714285714290
34		82.12290502793300	51.51515151515150	0.678331565692435	0.68	0.414634146341463	58.53658536585370	94.20289855072460	5.797101449275360	41.46341463414630
35		72.62569832402240	43.67816091954020	0.631046195652174	0.826086956521739	0.296875	70.3125	96.52173913043480	3.478260869565220	29.6875
36		76.53631284916200	50.0	0.661299435028249	0.84	0.355932203389831	64.40677966101690	96.66666666666670	3.333333333333330	35.59322033898310
37		82.12290502793300	62.7906976744186	0.735116279069767	0.75	0.54	46.0	93.02325581395350	6.976744186046510	54.0
38		77.09497206703910	50.60240963855420	0.663718723037101	0.807692307692308	0.368421052631579	63.1578947368421	95.90163934426230	4.098360655737710	36.84210526315790
39		78.2122905027933	40.0	0.621114599686028	0.8125	0.265306122448980	73.46938775510210	97.6923076923077	2.307692307692310	26.53061224489800
40		77.09497206703910	49.38271604938270	0.657185185185185	0.740740740740741	0.370370370370370	62.96296296296300	94.40000000000000	5.600000000000000	37.03703703703700
41		79.3296089385475	55.42168674698800	0.688962962962963	0.793103448275862	0.425925925925926	57.40740740740740	95.20000000000000	4.8	42.59259259259260
42		70.39106145251400	43.01075268817210	0.618758434547908	0.714285714285714	0.307692307692308	69.23076923076920	92.98245614035090	7.017543859649120	30.76923076923080
43		77.09497206703910	57.73195876288660	0.696360153256705	0.823529411764706	0.444444444444444	55.55555555555560	94.82758620689660	5.172413793103450	44.44444444444440
44		72.62569832402240	46.15384615384620	0.641391794046661	0.84	0.318181818181818	68.18181818181820	96.46017699115040	3.539823008849560	31.81818181818180
45		80.44692737430170	58.82352941176470	0.707003163646822	0.892857142857143	0.438596491228070	56.14035087719300	97.54098360655740	2.459016393442620	43.85964912280700
46		75.41899441340780	38.88888888888890	0.612234201856843	0.736842105263158	0.264150943396226	73.58490566037740	96.03174603174600	3.968253968253970	26.41509433962260
47		78.2122905027933	51.85185185185190	0.670747800586510	0.807692307692308	0.381818181818182	61.81818181818180	95.96774193548390	4.032258064516130	38.18181818181820
48		76.53631284916200	48.78048780487800	0.658263305322129	0.909090909090909	0.333333333333333	66.66666666666670	98.31932773109240	1.680672268907560	33.33333333333330
49		84.91620111731840	61.9718309859155	0.733755129958960	0.785714285714286	0.511627906976744	48.83720930232560	95.58823529411770	4.411764705882350	51.16279069767440
50		78.2122905027933	49.35064935064940	0.658930759803922	0.730769230769231	0.372549019607843	62.74509803921570	94.53125	5.46875	37.25490196078430
51		80.44692737430170	56.79012345679010	0.697531798909752	0.793103448275862	0.442307692307692	55.76923076923080	95.2755905511811	4.724409448818900	44.23076923076920
52		77.6536312849162	54.54545454545450	0.685001378549766	0.923076923076923	0.387096774193548	61.29032258064520	98.29059829059830	1.709401709401710	38.70967741935480
53		79.3296089385475	50.66666666666670	0.668695014662757	0.95	0.345454545454545	65.45454545454550	99.19354838709680	0.806451612903226	34.54545454545460
54		76.53631284916200	38.23529411764710	0.613188976377953	0.8125	0.25	75.0	97.63779527559060	2.362204724409450	25.0
55		73.74301675977650	52.52525252525250	0.663994565217391	0.742857142857143	0.40625	59.375	92.17391304347830	7.82608695652174	40.625
56		77.09497206703910	49.38271604938270	0.660017098888572	0.869565217391304	0.344827586206897	65.51724137931040	97.52066115702480	2.479338842975210	34.48275862068970
57		78.2122905027933	53.01204819277110	0.679131652661065	0.956521739130435	0.366666666666667	63.33333333333330	99.15966386554620	0.840336134453782	36.66666666666670
58		75.97765363128490	51.68539325842700	0.666456582633053	0.793103448275862	0.383333333333333	61.66666666666670	94.9579831932773	5.042016806722690	38.33333333333330
59		78.2122905027933	57.14285714285710	0.695212311199772	0.787878787878788	0.448275862068966	55.17241379310340	94.21487603305790	5.785123966942150	44.82758620689660
60		76.53631284916200	53.33333333333330	0.676454370002757	0.857142857142857	0.387096774193548	61.29032258064520	96.58119658119660	3.418803418803420	38.70967741935480
61		78.77094972067040	42.42424242424240	0.630566157760814	0.777777777777778	0.291666666666667	70.83333333333330	96.94656488549620	3.053435114503820	29.16666666666670
62		77.09497206703910	52.87356321839080	0.674859943977591	0.851851851851852	0.383333333333333	61.66666666666670	96.63865546218490	3.361344537815130	38.33333333333330
63		77.09497206703910	48.1012658227848	0.654371584699453	0.863636363636364	0.333333333333333	66.66666666666670	97.54098360655740	2.459016393442620	33.33333333333330
64		80.44692737430170	57.83132530120480	0.702222222222222	0.827586206896552	0.444444444444444	55.55555555555560	96.0	4.0	44.44444444444440
65		78.2122905027933	48.0	0.654666666666667	0.857142857142857	0.333333333333333	66.66666666666670	97.6	2.4	33.33333333333330
66		76.53631284916200	55.31914893617020	0.686842105263158	0.896551724137931	0.4	60.0	97.36842105263160	2.631578947368420	40.0
67		76.53631284916200	54.34782608695650	0.683535762483131	0.925925925925926	0.384615384615385	61.53846153846150	98.24561403508770	1.754385964912280	38.46153846153850
68		79.88826815642460	57.14285714285710	0.698231233822261	0.888888888888889	0.421052631578947	57.89473684210530	97.54098360655740	2.459016393442620	42.10526315789470
69		77.09497206703910	58.58585858585860	0.700475543478261	0.828571428571429	0.453125	54.6875	94.78260869565220	5.217391304347830	45.3125
70		77.09497206703910	51.76470588235290	0.668811274509804	0.647058823529412	0.431372549019608	56.86274509803920	90.625	9.375	43.13725490196080
71		77.09497206703910	50.60240963855420	0.664505557138786	0.84	0.362068965517241	63.79310344827590	96.69421487603310	3.305785123966940	36.20689655172410
72		80.44692737430170	60.67415730337080	0.716596638655462	0.931034482758621	0.45	55.00000000000000	98.31932773109240	1.680672268907560	45.0
73		79.88826815642460	53.84615384615390	0.682238037552998	0.807692307692308	0.403846153846154	59.61538461538460	96.06299212598430	3.937007874015750	40.38461538461540
74		78.2122905027933	55.17241379310340	0.68927488282327	0.96	0.387096774193548	61.29032258064520	99.14529914529920	0.854700854700855	38.70967741935480
75		79.88826815642460	60.0	0.712394957983193	0.9	0.45	55.00000000000000	97.47899159663870	2.521008403361340	45.0
76		78.2122905027933	58.06451612903230	0.70012503473187	0.84375	0.442622950819672	55.73770491803280	95.76271186440680	4.23728813559322	44.26229508196720
77		79.3296089385475	56.47058823529410	0.695056497175141	0.923076923076923	0.406779661016949	59.32203389830510	98.33333333333330	1.666666666666670	40.67796610169490
78		82.12290502793300	57.89473684210530	0.709055246812684	0.733333333333333	0.478260869565217	52.17391304347830	93.98496240601500	6.015037593984960	47.82608695652170
79		75.97765363128490	55.67010309278350	0.685762483130904	0.84375	0.415384615384615	58.46153846153850	95.6140350877193	4.385964912280700	41.53846153846150
80		79.3296089385475	50.66666666666670	0.667925925925926	0.904761904761905	0.351851851851852	64.81481481481480	98.4	1.6	35.18518518518520
81		82.68156424581010	55.07246376811590	0.690764023210832	0.863636363636364	0.404255319148936	59.57446808510640	97.72727272727270	2.272727272727270	40.42553191489360
82		78.2122905027933	54.11764705882350	0.681262582686224	0.821428571428571	0.403508771929825	59.64912280701750	95.90163934426230	4.098360655737710	40.35087719298250
83		77.09497206703910	55.91397849462370	0.687005649717514	0.764705882352941	0.440677966101695	55.93220338983050	93.33333333333330	6.666666666666670	44.06779661016950
84		79.88826815642460	53.84615384615390	0.682844574780059	0.913043478260870	0.381818181818182	61.81818181818180	98.38709677419360	1.612903225806450	38.18181818181820
85		78.77094972067040	52.50000000000000	0.674780058651026	0.84	0.381818181818182	61.81818181818180	96.7741935483871	3.225806451612900	38.18181818181820
86		75.41899441340780	45.00000000000000	0.636324041811847	0.75	0.321428571428571	67.85714285714290	95.1219512195122	4.878048780487810	32.14285714285710
87		75.41899441340780	48.83720930232560	0.652966101694915	0.777777777777778	0.355932203389831	64.40677966101690	95.0	5.0	35.59322033898310
88		78.77094972067040	45.71428571428570	0.644195688225539	0.64	0.355555555555556	64.44444444444440	93.28358208955220	6.716417910447760	35.55555555555560
89		79.3296089385475	50.66666666666670	0.667925925925926	0.904761904761905	0.351851851851852	64.81481481481480	98.4	1.6	35.18518518518520
90		74.30167597765360	45.23809523809520	0.636016949152542	0.76	0.322033898305085	67.79661016949150	95.0	5.0	32.20338983050850
91		73.74301675977650	35.61643835616440	0.589615139949109	0.52	0.270833333333333	72.91666666666670	90.83969465648860	9.16030534351145	27.08333333333330
92		78.2122905027933	58.06451612903230	0.700647918389854	0.870967741935484	0.435483870967742	56.45161290322580	96.58119658119660	3.418803418803420	43.54838709677420
93		79.3296089385475	55.42168674698800	0.689096980255517	0.851851851851852	0.410714285714286	58.92857142857140	96.7479674796748	3.252032520325200	41.07142857142860
94		77.09497206703910	49.38271604938270	0.661158192090396	0.909090909090909	0.338983050847458	66.10169491525420	98.33333333333330	1.666666666666670	33.89830508474580
95		81.00558659217880	59.52380952380950	0.716640502354788	0.714285714285714	0.510204081632653	48.97959183673470	92.3076923076923	7.692307692307690	51.02040816326530
96		80.44692737430170	53.33333333333330	0.680742737346511	0.909090909090909	0.377358490566038	62.26415094339620	98.4126984126984	1.587301587301590	37.73584905660380
97		74.86033519553070	52.63157894736840	0.667424869037772	0.757575757575758	0.403225806451613	59.67741935483870	93.16239316239320	6.837606837606840	40.32258064516130
98		72.06703910614520	47.91666666666670	0.643268972914991	0.766666666666667	0.348484848484849	65.15151515151520	93.80530973451330	6.194690265486730	34.84848484848490
99		76.53631284916200	54.34782608695650	0.678314639056658	0.714285714285714	0.438596491228070	56.14035087719300	91.80327868852460	8.19672131147541	43.85964912280700
	Mean	**77.70949720670390**	**51.6875240431449**	**0.671031127571197**	**0.822183120479179**	**0.381204795334565**	**61.8795204665435**	**96.085745980783**	**3.91425401921701**	**38.1204795334565**
	Standard Deviation	2.42476017142929	5.86653850186726	0.028634464912951	0.080428589781505	0.060853333683615	6.08533336836159	2.03615894558339	2.03615894558339	6.08533336836159
	T Test Significance (Female to Male)	**0.000000000536024**	**0.000000000000000**	**0.000000000038384**	**0.000708353867139**	**0.000000000000000**	**0.000000000000000**	**0.000000000000000**	**0.000000000000000**	**0.000000000000000**

		B_M_Accuracy	B_M_FScore	B_M_ROC_AUC	B_M_Precision	B_M_Recall	B_M_FNR	B_M_TNR	B_M_FPR	B_M_TPR
0		69.27374301675980	70.27027027027030	0.695830183925422	0.747126436781609	0.663265306122449	33.6734693877551	72.8395061728395	27.16049382716050	66.3265306122449
1		75.41899441340780	76.08695652173910	0.756149598393574	0.795454545454545	0.729166666666667	27.08333333333330	78.3132530120482	21.68674698795180	72.91666666666670
2		69.83240223463690	69.66292134831460	0.702434738955823	0.756097560975610	0.645833333333333	35.41666666666670	75.90361445783130	24.09638554216870	64.58333333333330
3		67.0391061452514	67.75956284153010	0.682549821154829	0.775	0.601941747572816	39.80582524271850	76.31578947368420	23.68421052631580	60.19417475728160
4		77.09497206703910	77.59562841530060	0.773406124497992	0.816091954022989	0.739583333333333	26.04166666666670	80.72289156626510	19.27710843373490	73.95833333333330
5		73.18435754189940	74.46808510638300	0.731585518102372	0.714285714285714	0.777777777777778	22.22222222222220	68.53932584269660	31.46067415730340	77.77777777777780
6		68.15642458100560	68.85245901639350	0.691940412528648	0.777777777777778	0.617647058823529	38.23529411764710	76.62337662337660	23.37662337662340	61.76470588235290
7		72.62569832402240	72.62569832402240	0.728097622027534	0.764705882352941	0.691489361702128	30.85106382978720	76.47058823529410	23.52941176470590	69.14893617021280
8		72.06703910614520	73.11827956989250	0.727659304391978	0.8	0.673267326732673	32.67326732673270	78.2051282051282	21.79487179487180	67.32673267326730
9		67.0391061452514	68.1081081081081	0.678953399541635	0.759036144578313	0.617647058823529	38.23529411764710	74.02597402597400	25.97402597402600	61.76470588235290
10		74.30167597765360	73.25581395348840	0.742821473158552	0.759036144578313	0.707865168539326	29.21348314606740	77.77777777777780	22.22222222222220	70.78651685393260
11		69.83240223463690	70.32967032967030	0.700803212851406	0.744186046511628	0.666666666666667	33.33333333333330	73.49397590361450	26.50602409638550	66.66666666666670
12		70.39106145251400	66.66666666666670	0.699459391501132	0.688311688311688	0.646341463414634	35.36585365853660	75.25773195876290	24.74226804123710	64.63414634146340
13		73.74301675977650	73.74301675977650	0.740225563909774	0.694736842105263	0.785714285714286	21.42857142857140	69.47368421052630	30.52631578947370	78.57142857142860
14		68.15642458100560	67.42857142857140	0.693734177215190	0.786666666666667	0.59	41.0	79.74683544303800	20.25316455696200	59.0
15		72.06703910614520	72.22222222222220	0.722215269086358	0.755813953488372	0.691489361702128	30.85106382978720	75.29411764705880	24.70588235294120	69.14893617021280
16		71.50837988826820	70.52023121387280	0.717491872968242	0.7625	0.655913978494624	34.40860215053760	77.90697674418610	22.09302325581400	65.59139784946240
17		75.41899441340780	76.8421052631579	0.756186868686869	0.802197802197802	0.737373737373737	26.26262626262630	77.5	22.5	73.73737373737370
18		73.18435754189940	75.25773195876290	0.734466513878279	0.793478260869565	0.715686274509804	28.43137254901960	75.32467532467530	24.67532467532470	71.56862745098040
19		69.27374301675980	71.50259067357510	0.690700301204819	0.711340206185567	0.71875	28.125	66.26506024096390	33.73493975903610	71.875
20		73.74301675977650	74.03314917127070	0.740524598393574	0.788235294117647	0.697916666666667	30.20833333333330	78.3132530120482	21.68674698795180	69.79166666666670
21		68.71508379888270	70.83333333333330	0.693589743589744	0.772727272727273	0.653846153846154	34.61538461538460	73.33333333333330	26.66666666666670	65.38461538461540
22		74.30167597765360	73.86363636363640	0.745744680851064	0.792682926829268	0.691489361702128	30.85106382978720	80.0	20.0	69.14893617021280
23		70.94972067039110	72.34042553191490	0.716450216450216	0.790697674418605	0.666666666666667	33.33333333333330	76.62337662337660	23.37662337662340	66.66666666666670
24		75.41899441340780	74.71264367816090	0.755559720139930	0.792682926829268	0.706521739130435	29.34782608695650	80.45977011494250	19.54022988505750	70.65217391304350
25		73.74301675977650	74.5945945945946	0.738893072289157	0.775280898876405	0.71875	28.125	75.90361445783130	24.09638554216870	71.875
26		75.97765363128490	77.94871794871800	0.762159409218233	0.817204301075269	0.745098039215686	25.49019607843140	77.92207792207790	22.07792207792210	74.50980392156860
27		74.30167597765360	76.28865979381450	0.751029601029601	0.831460674157303	0.704761904761905	29.52380952380950	79.72972972972970	20.27027027027030	70.47619047619050
28		69.83240223463690	71.875	0.696724397590361	0.71875	0.71875	28.125	67.46987951807230	32.53012048192770	71.875
29		70.39106145251400	71.6577540106952	0.704182272159800	0.683673469387755	0.752808988764045	24.71910112359550	65.55555555555560	34.44444444444440	75.28089887640450
30		74.30167597765360	75.53191489361700	0.750636618283677	0.825581395348837	0.696078431372549	30.39215686274510	80.51948051948050	19.48051948051950	69.6078431372549
31		73.74301675977650	74.5945945945946	0.738157894736842	0.766666666666667	0.726315789473684	27.36842105263160	75.0	25.0	72.63157894736840
32		70.39106145251400	68.26347305389220	0.710714285714286	0.791666666666667	0.6	40.0	82.14285714285710	17.85714285714290	60.0
33		69.27374301675980	68.92655367231640	0.694236059014754	0.726190476190476	0.655913978494624	34.40860215053760	73.25581395348840	26.74418604651160	65.59139784946240
34		72.62569832402240	74.61139896373060	0.726136363636364	0.765957446808511	0.727272727272727	27.27272727272730	72.5	27.50000000000000	72.72727272727270
35		74.86033519553070	74.57627118644070	0.751063829787234	0.795180722891566	0.702127659574468	29.78723404255320	80.0	20.0	70.2127659574468
36		66.4804469273743	65.90909090909090	0.682869187531937	0.794520547945205	0.563106796116505	43.68932038834950	80.26315789473690	19.73684210526320	56.31067961165050
37		77.09497206703910	76.8361581920904	0.77103620474407	0.781609195402299	0.755555555555556	24.44444444444440	78.65168539325840	21.34831460674160	75.55555555555560
38		71.50837988826820	71.82320441988950	0.717105263157895	0.755813953488372	0.684210526315790	31.57894736842110	75.0	25.0	68.42105263157900
39		70.94972067039110	72.63157894736840	0.722731972085810	0.821428571428571	0.650943396226415	34.90566037735850	79.45205479452060	20.54794520547950	65.09433962264150
40		62.56983240223460	62.14689265536720	0.629831827309237	0.679012345679012	0.572916666666667	42.70833333333330	68.67469879518070	31.32530120481930	57.29166666666670
41		69.27374301675980	71.2041884816754	0.706645898234683	0.809523809523810	0.635514018691589	36.44859813084110	77.77777777777780	22.22222222222220	63.55140186915890
42		73.18435754189940	73.6263736263736	0.732308077019255	0.752808988764045	0.720430107526882	27.95698924731180	74.4186046511628	25.58139534883720	72.04301075268820
43		69.83240223463690	68.23529411764710	0.697463768115942	0.698795180722892	0.666666666666667	33.33333333333330	72.82608695652170	27.17391304347830	66.66666666666670
44		72.62569832402240	72.31638418079100	0.732335931606739	0.8	0.659793814432990	34.02061855670100	80.48780487804880	19.51219512195120	65.97938144329900
45		76.53631284916200	76.92307692307690	0.765297202797203	0.769230769230769	0.769230769230769	23.07692307692310	76.13636363636360	23.86363636363640	76.92307692307690
46		73.74301675977650	71.8562874251497	0.746234939759036	0.845070422535211	0.625	37.5	86.74698795180720	13.25301204819280	62.5
47		70.94972067039110	71.73913043478260	0.709363295880150	0.702127659574468	0.733333333333333	26.66666666666670	68.53932584269660	31.46067415730340	73.33333333333330
48		68.71508379888270	68.53932584269660	0.701617010440540	0.802631578947369	0.598039215686275	40.19607843137260	80.51948051948050	19.48051948051950	59.80392156862750
49		69.83240223463690	70.96774193548390	0.715430343758077	0.825	0.622641509433962	37.73584905660380	80.82191780821920	19.17808219178080	62.26415094339620
50		65.92178770949720	67.72486772486770	0.667692307692308	0.752941176470588	0.615384615384615	38.46153846153850	72.0	28.00000000000000	61.53846153846150
51		72.06703910614520	73.95833333333330	0.726239141543179	0.797752808988764	0.689320388349515	31.06796116504850	76.31578947368420	23.68421052631580	68.93203883495150
52		71.50837988826820	71.1864406779661	0.730901451489687	0.84	0.617647058823529	38.23529411764710	84.4155844155844	15.58441558441560	61.76470588235290
53		70.39106145251400	72.25130890052360	0.704734848484849	0.75	0.696969696969697	30.30303030303030	71.25	28.75000000000000	69.6969696969697
54		69.27374301675980	70.89947089947090	0.692921800352024	0.728260869565217	0.690721649484536	30.92783505154640	69.51219512195120	30.48780487804880	69.0721649484536
55		68.71508379888270	68.88888888888890	0.702286663260092	0.805194805194805	0.601941747572816	39.80582524271850	80.26315789473690	19.73684210526320	60.19417475728160
56		75.41899441340780	75.82417582417580	0.756015037593985	0.793103448275862	0.726315789473684	27.36842105263160	78.57142857142860	21.42857142857140	72.63157894736840
57		74.30167597765360	75.78947368421050	0.749045072574484	0.818181818181818	0.705882352941177	29.41176470588240	79.22077922077920	20.77922077922080	70.58823529411770
58		68.71508379888270	69.23076923076920	0.687546886721680	0.707865168539326	0.677419354838710	32.25806451612900	69.76744186046510	30.23255813953490	67.74193548387100
59		65.92178770949720	65.14285714285710	0.659363295880150	0.670588235294118	0.633333333333333	36.66666666666670	68.53932584269660	31.46067415730340	63.33333333333330
60		79.88826815642460	81.81818181818180	0.795981355505165	0.81	0.826530612244898	17.34693877551020	76.5432098765432	23.45679012345680	82.6530612244898
61		68.71508379888270	67.44186046511630	0.695310535579583	0.773333333333333	0.597938144329897	40.20618556701030	79.26829268292680	20.73170731707320	59.79381443298970
62		66.4804469273743	67.03296703296700	0.677695452222790	0.772151898734177	0.592233009708738	40.77669902912620	76.31578947368420	23.68421052631580	59.22330097087380
63		72.62569832402240	72.62569832402240	0.736392405063291	0.822784810126582	0.65	35.0	82.27848101265820	17.72151898734180	65.0
64		69.27374301675980	69.61325966850830	0.704927425515661	0.797468354430380	0.617647058823529	38.23529411764710	79.22077922077920	20.77922077922080	61.76470588235290
65		67.0391061452514	67.40331491712710	0.672243107769424	0.709302325581395	0.642105263157895	35.78947368421050	70.23809523809520	29.76190476190480	64.21052631578950
66		72.06703910614520	73.40425531914890	0.723484848484849	0.775280898876405	0.696969696969697	30.30303030303030	75.0	25.0	69.6969696969697
67		75.41899441340780	76.08695652173910	0.755325814536341	0.786516853932584	0.736842105263158	26.31578947368420	77.38095238095240	22.61904761904760	73.68421052631580
68		68.15642458100560	68.1564245810056	0.687767699672462	0.753086419753086	0.622448979591837	37.75510204081630	75.30864197530870	24.69135802469140	62.24489795918370
69		71.50837988826820	72.43243243243240	0.721075949367089	0.788235294117647	0.67	33.0	77.21518987341770	22.78481012658230	67.0
70		69.83240223463690	72.16494845360820	0.695802005012531	0.707070707070707	0.736842105263158	26.31578947368420	65.47619047619050	34.52380952380950	73.68421052631580
71		72.06703910614520	71.91011235955060	0.724899598393574	0.780487804878049	0.666666666666667	33.33333333333330	78.3132530120482	21.68674698795180	66.66666666666670
72		73.18435754189940	74.73684210526320	0.733585858585859	0.780219780219780	0.717171717171717	28.28282828282830	75.0	25.0	71.71717171717170
73		65.92178770949720	65.92178770949720	0.660227556889222	0.686046511627907	0.634408602150538	36.55913978494620	68.6046511627907	31.3953488372093	63.44086021505380
74		70.39106145251400	73.36683417085430	0.704294871794872	0.768421052631579	0.701923076923077	29.80769230769230	70.66666666666670	29.33333333333330	70.1923076923077
75		73.74301675977650	73.14285714285710	0.748232323232323	0.842105263157895	0.646464646464647	35.35353535353540	85.0	15.0	64.64646464646470
76		64.80446927374300	67.01570680628270	0.656113256113256	0.744186046511628	0.609523809523810	39.04761904761910	70.27027027027030	29.72972972972970	60.95238095238100
77		69.27374301675980	70.27027027027030	0.710713362626002	0.822784810126582	0.613207547169811	38.67924528301890	80.82191780821920	19.17808219178080	61.32075471698110
78		68.71508379888270	66.66666666666670	0.686313686313686	0.7	0.636363636363636	36.36363636363640	73.62637362637360	26.37362637362640	63.63636363636360
79		74.30167597765360	75.78947368421050	0.747461284589998	0.808988764044944	0.712871287128713	28.71287128712870	78.2051282051282	21.79487179487180	71.28712871287130
80		66.4804469273743	69.38775510204080	0.684168443496802	0.809523809523810	0.607142857142857	39.28571428571430	76.11940298507460	23.88059701492540	60.71428571428570
81		72.62569832402240	71.67630057803470	0.734221775207443	0.815789473684211	0.639175257731959	36.08247422680410	82.92682926829270	17.07317073170730	63.91752577319590
82		70.94972067039110	71.7391304347826	0.713277903754094	0.767441860465116	0.673469387755102	32.6530612244898	75.30864197530870	24.69135802469140	67.3469387755102
83		70.39106145251400	71.6577540106952	0.706034265558075	0.752808988764045	0.683673469387755	31.63265306122450	72.8395061728395	27.16049382716050	68.36734693877550
84		70.94972067039110	71.73913043478260	0.716075949367089	0.785714285714286	0.66	34.0	77.21518987341770	22.78481012658230	66.0
85		73.74301675977650	72.51461988304090	0.739255372313843	0.784810126582278	0.673913043478261	32.60869565217390	80.45977011494250	19.54022988505750	67.3913043478261
86		68.71508379888270	68.8888888888889	0.694381313131313	0.765432098765432	0.626262626262626	37.37373737373740	76.25	23.75	62.62626262626260
87		74.30167597765360	75.26881720430110	0.744971083731456	0.786516853932584	0.721649484536083	27.83505154639180	76.82926829268290	23.17073170731710	72.16494845360830
88		73.18435754189940	73.91304347826090	0.737184343434344	0.8	0.686868686868687	31.31313131313130	78.75	21.25	68.68686868686870
89		72.62569832402240	72.00000000000000	0.743888464476700	0.863013698630137	0.617647058823529	38.23529411764710	87.01298701298700	12.98701298701300	61.76470588235290
90		73.74301675977650	74.03314917127070	0.741702288156902	0.797619047619048	0.690721649484536	30.92783505154640	79.26829268292680	20.73170731707320	69.0721649484536
91		69.27374301675980	71.20418848167540	0.691228070175439	0.708333333333333	0.715789473684211	28.42105263157890	66.66666666666670	33.33333333333330	71.57894736842110
92		65.36312849162010	65.1685393258427	0.684011476264998	0.828571428571429	0.537037037037037	46.2962962962963	83.09859154929580	16.90140845070420	53.70370370370370
93		77.6536312849162	77.01149425287360	0.781203007518797	0.848101265822785	0.705263157894737	29.47368421052630	85.71428571428570	14.28571428571430	70.52631578947370
94		77.09497206703910	76.30057803468210	0.770614692653673	0.767441860465116	0.758620689655172	24.13793103448280	78.26086956521740	21.73913043478260	75.86206896551720
95		70.94972067039110	72.63157894736840	0.725207684319834	0.831325301204819	0.644859813084112	35.51401869158880	80.55555555555560	19.44444444444440	64.48598130841120
96		73.74301675977650	75.64766839378240	0.753455920709442	0.858823529411765	0.675925925925926	32.40740740740740	83.09859154929580	16.90140845070420	67.5925925925926
97		72.06703910614520	71.91011235955060	0.733498349834984	0.831168831168831	0.633663366336634	36.63366336633660	83.33333333333330	16.66666666666670	63.36633663366340
98		73.18435754189940	73.03370786516860	0.737490570781996	0.802469135802469	0.670103092783505	32.98969072164950	80.48780487804880	19.51219512195120	67.0103092783505
99		67.0391061452514	66.66666666666670	0.671226886556722	0.694117647058824	0.641304347826087	35.86956521739130	70.11494252873560	29.88505747126440	64.13043478260870
	Mean	**71.3519553072626**	**71.86013999144010**	**0.718904778176102**	**0.774674372995634**	**0.673413047679144**	**32.6586952320856**	**76.439650867306**	**23.560349132694**	**67.3413047679144**
	Standard Deviation	3.2166902738989	3.41235950681242	0.030665704772606	0.044367360632383	0.053287411947174	5.32874119471741	4.82221170364979	4.82221170364979	5.32874119471741
	T Test Significance (Female to Male)									

3.1.2 Balanced training data, no feature selection - Support Vector Machine Classifier

		B_Accuracy	B_FScore	B_ROC_AUC	B_Precision	B_Recall	B_F_Accuracy	B_F_FScore
0		83.79888268156430	80.0	0.82998712998713	0.816901408450704	0.783783783783784	91.62011173184360	86.23853211009180
1		85.75418994413410	82.71186440677970	0.848734036822258	0.884057971014493	0.777070063694268	91.06145251396650	86.4406779661017
2		82.9608938547486	80.38585209003220	0.827412783295136	0.796178343949045	0.811688311688312	87.15083798882680	80.9917355371901
3		82.40223463687150	80.37383177570100	0.821617535903250	0.811320754716981	0.796296296296296	86.59217877094970	80.95238095238100
4		83.24022346368710	79.72972972972970	0.828637890927888	0.786666666666667	0.808219178082192	92.17877094972070	86.79245283018870
5		84.07821229050280	80.13937282229970	0.829745784363822	0.851851851851852	0.756578947368421	88.26815642458100	82.05128205128200
6		81.56424581005590	79.50310559006210	0.812625502008032	0.820512820512821	0.771084337349398	88.26815642458100	82.05128205128210
7		81.56424581005590	76.42857142857140	0.801164539143232	0.829457364341085	0.708609271523179	87.70949720670390	77.08333333333330
8		83.79888268156430	81.04575163398690	0.832715403872358	0.832214765100671	0.789808917197452	89.94413407821230	84.21052631578950
9		81.00558659217880	76.22377622377620	0.798125219950731	0.807407407407408	0.721854304635762	87.15083798882680	78.0952380952381
10		84.07821229050280	81.31147540983610	0.836936075243105	0.815789473684211	0.810457516339869	89.3854748603352	83.47826086956520
11		82.40223463687150	78.35051546391750	0.818730529595016	0.775510204081633	0.791666666666667	89.94413407821230	80.85106382978720
12		81.28491620111730	78.86435331230280	0.811532114749937	0.776397515527950	0.801282051282051	88.8268156424581	81.81818181818180
13		83.24022346368710	81.25	0.829776597406655	0.884353741496599	0.751445086705202	88.26815642458100	80.0
14		82.12290502793300	79.2207792207792	0.815808602762239	0.818791946308725	0.767295597484277	89.94413407821230	84.48275862068970
15		85.47486033519550	82.43243243243240	0.847473298262395	0.853146853146853	0.797385620915033	88.26815642458100	79.6116504854369
16		84.91620111731840	80.71428571428570	0.836960376567689	0.849624060150376	0.768707482993197	89.3854748603352	80.8080808080808
17		82.12290502793300	79.74683544303800	0.818734177215190	0.797468354430380	0.797468354430380	91.06145251396650	86.4406779661017
18		84.07821229050280	82.3529411764706	0.838240810202551	0.880794701986755	0.773255813953488	89.3854748603352	84.5528455284553
19		84.63687150837990	81.48148148148150	0.837720959595960	0.883211678832117	0.75625	91.06145251396650	85.71428571428570
20		82.12290502793300	80.36809815950920	0.818790895713973	0.834394904458599	0.775147928994083	87.15083798882680	79.64601769911510
21		81.84357541899440	76.36363636363640	0.801673840267815	0.860655737704918	0.686274509803922	83.79888268156430	70.10309278350510
22		84.35754189944130	81.20805369127520	0.843036085150571	0.785714285714286	0.840277777777778	92.17877094972070	87.71929824561400
23		84.91620111731840	80.71428571428570	0.838622793354102	0.830882352941177	0.784722222222222	88.26815642458100	79.6116504854369
24		84.91620111731840	81.63265306122450	0.847487396324606	0.794701986754967	0.839160839160839	91.62011173184360	85.98130841121500
25		79.05027932960890	74.22680412371140	0.779421579532814	0.794117647058824	0.696774193548387	86.03351955307260	74.22680412371140
26		81.00558659217880	76.38888888888890	0.798501514426909	0.814814814814815	0.718954248366013	90.5027932960894	84.68468468468470
27		81.56424581005590	77.85234899328860	0.806990929490218	0.834532374100720	0.729559748427673	89.94413407821230	84.21052631578950
28		84.91620111731840	80.98591549295770	0.840213695968917	0.827338129496403	0.793103448275862	88.26815642458100	80.37383177570100
29		82.40223463687150	78.2006920415225	0.813458099131324	0.824817518248175	0.743421052631579	86.03351955307260	78.26086956521740
30		85.47486033519550	80.74074074074070	0.839258416002602	0.858267716535433	0.762237762237762	92.17877094972070	85.41666666666670
31		82.12290502793300	79.61783439490450	0.822119845154685	0.766871165644172	0.827814569536424	88.26815642458100	82.92682926829270
32		84.07821229050280	80.41237113402060	0.836156542056075	0.795918367346939	0.8125	89.94413407821230	83.01886792452830
33		83.5195530726257	79.72508591065290	0.825426430734896	0.840579710144928	0.758169934640523	90.5027932960894	82.4742268041237
34		84.63687150837990	82.31511254019290	0.842966695186488	0.831168831168831	0.815286624203822	92.73743016759780	89.25619834710740
35		82.9608938547486	79.86798679867990	0.833463745435576	0.751552795031056	0.852112676056338	89.94413407821230	85.24590163934430
36		83.24022346368710	79.02097902097900	0.821032088812106	0.837037037037037	0.748344370860927	91.06145251396650	84.31372549019610
37		84.63687150837990	83.28267477203650	0.844492373093273	0.872611464968153	0.796511627906977	86.03351955307260	78.26086956521740
38		84.63687150837990	81.60535117056860	0.838446064873020	0.903703703703704	0.743902439024390	89.3854748603352	82.56880733944960
39		82.40223463687150	79.47882736156350	0.818149042229677	0.871428571428571	0.730538922155689	87.15083798882680	79.64601769911100
40		82.40223463687150	78.35051546391750	0.816665054647451	0.791666666666667	0.775510204081633	91.62011173184360	85.71428571428570
41		82.68156424581010	79.05405405405410	0.819334440470107	0.8125	0.769736842105263	87.70949720670390	81.03448275862070
42		82.12290502793300	77.62237762237760	0.809086561453850	0.834586466165414	0.725490196078431	87.15083798882680	79.27927927927930
43		84.35754189944130	80.82191780821920	0.833650672759584	0.867647058823529	0.756410256410256	91.06145251396650	84.90566037735850
44		84.35754189944130	82.38993710691820	0.84084245042091	0.834394904458599	0.813664596273292	88.8268156424581	81.48148148148150
45		82.68156424581010	79.19463087248320	0.818417721518987	0.842857142857143	0.746835443037975	88.8268156424581	83.33333333333330
46		84.35754189944130	82.38993710691820	0.840302029259085	0.845161290322581	0.803680981595092	87.70949720670390	81.03448275862070
47		85.47486033519550	83.64779874213840	0.851096491228070	0.886666666666667	0.791666666666667	92.73743016759780	88.49557522123890
48		82.68156424581010	79.33333333333330	0.822147435897436	0.793333333333333	0.793333333333333	87.15083798882680	80.67226890756300
49		82.68156424581010	78.6206896551724	0.817096970278658	0.820143884892086	0.754966887417219	88.26815642458100	79.6116504854369
50		85.75418994413410	82.94314381270900	0.853906425612537	0.826666666666667	0.832214765100671	91.62011173184360	86.72566371681420
51		88.26815642458100	85.51724137931030	0.876745010800529	0.867132867132867	0.843537414965986	94.41340782122900	90.74074074074080
52		85.75418994413410	83.16831683168320	0.851522641569224	0.863013698630137	0.802547770700637	93.29608938547490	87.5
53		84.63687150837990	81.22866894197950	0.838484179543782	0.838028169014085	0.788079470198676	88.8268156424581	81.48148148148150
54		82.68156424581010	79.33333333333330	0.829819916985325	0.748427672955975	0.843971631205674	86.59217877094970	79.3103448275862
55		84.07821229050280	81.55339805825240	0.836597268434896	0.828947368421053	0.802547770700637	87.70949720670390	80.35714285714290
56		81.56424581005590	77.08333333333330	0.808313862928349	0.770833333333333	0.770833333333333	86.59217877094970	73.91304347826090
57		79.60893854748600	74.91408934707900	0.785925320593412	0.858267716535433	0.664634146341463	89.3854748603352	83.1858407079646
58		82.9608938547486	78.29181494661920	0.816495937831155	0.833333333333333	0.738255033557047	92.17877094972070	86.27450980392160
59		85.19553072625700	82.39202657807310	0.846224853577795	0.843537414965986	0.805194805194805	89.3854748603352	82.8828828828829
60		83.79888268156430	81.29032258064520	0.836154949784792	0.802547770700637	0.823529411764706	87.15083798882680	78.0952380952381
61		82.68156424581010	79.05405405405410	0.820288461538462	0.801369863013699	0.78	87.15083798882680	80.67226890756300
62		85.75418994413410	83.16831683168320	0.857481381178064	0.807692307692308	0.857142857142857	92.17877094972070	87.5
63		83.24022346368710	79.59183673469390	0.822698397648621	0.866666666666667	0.735849056603774	87.15083798882680	78.50467289719630
64		83.79888268156430	80.4054054054054	0.841299563089255	0.757961783439491	0.856115107913669	89.3854748603352	82.88288288288290
65		81.84357541899440	79.75077881619940	0.815229668674699	0.825806451612903	0.771084337349398	90.5027932960894	85.95041322314050
66		82.40223463687150	80.49535603715170	0.821849929211892	0.8125	0.797546012269939	87.15083798882680	80.99173553719010
67		82.12290502793300	78.2312925170068	0.814703989703990	0.787671232876712	0.777027027027027	88.8268156424581	79.59183673469390
68		83.24022346368710	81.0126582278481	0.832251082251082	0.790123456790123	0.831168831168831	86.59217877094970	81.25
69		84.63687150837990	81.60535117056860	0.839045443005839	0.853146853146853	0.782051282051282	89.3854748603352	82.88288288288290
70		84.63687150837990	81.84818481848190	0.841322892793481	0.832214765100671	0.805194805194805	92.73743016759780	88.28828828828830
71		85.19553072625700	82.39202657807310	0.844470662262073	0.898550724637681	0.760736196319019	89.94413407821230	83.92857142857140
72		84.07821229050280	83.38192419825070	0.852686115096445	0.752631578947368	0.934640522875817	88.26815642458100	82.64462809917360
73		83.5195530726257	80.26755852842810	0.828742228598757	0.821917808219178	0.784313725490196	89.3854748603352	82.24299065420560
74		79.88826815642460	77.0700636942675	0.797863860991551	0.751552795031056	0.790849673202614	87.70949720670390	81.35593220338980
75		83.24022346368710	80.13245033112580	0.831836391832515	0.775641025641026	0.828767123287671	89.3854748603352	82.56880733944950
76		84.07821229050280	81.7891373801917	0.837189090104611	0.831168831168831	0.805031446540881	89.3854748603352	83.47826086956520
77		80.72625698324020	78.63777089783280	0.805577450578554	0.783950617283951	0.788819875776398	87.70949720670390	79.62962962962960
78		83.79888268156430	78.98550724637680	0.822144864588656	0.879032258064516	0.717105263157895	88.8268156424581	80.3921568627451
79		84.35754189944130	80.55555555555560	0.833381322583741	0.846715328467153	0.768211920529801	93.85474860335200	90.59829059829060
80		82.68156424581010	79.19463087248320	0.825610072689512	0.766233766233766	0.819444444444444	89.94413407821230	83.63636363636360
81		86.59217877094970	83.09859154929580	0.859099040494389	0.836879432624114	0.825174825174825	92.17877094972070	86.00000000000000
82		83.24022346368710	81.70731707317070	0.830931072381850	0.822085889570552	0.812121212121212	90.5027932960894	86.8217054263566
83		79.88826815642460	76.62337662337660	0.793706626105143	0.781456953642384	0.751592356687898	84.91620111731840	76.10619469026550
84		81.28491620111730	76.49122807017540	0.801178510645130	0.801470588235294	0.731543624161074	87.70949720670390	79.24528301886790
85		80.16759776536310	75.4325259515571	0.790036548546004	0.813432835820896	0.703225806451613	83.24022346368710	75.40983606557380
86		82.9608938547486	78.13620071684590	0.814745735692651	0.865079365079365	0.712418300653595	88.26815642458100	77.89473684210530
87		85.19553072625700	81.66089965397920	0.840918428621093	0.907692307692308	0.742138364779874	89.94413407821230	82.0
88		84.63687150837990	80.28673835125450	0.833140283140283	0.854961832061069	0.756756756756757	92.73743016759780	85.71428571428570
89		86.31284916201120	85.71428571428570	0.869299326822793	0.798913043478261	0.924528301886793	86.59217877094970	80.64516129032260
90		82.9608938547486	79.18088737201360	0.819639310149131	0.878787878787879	0.720496894409938	87.70949720670390	78.84615384615380
91		82.40223463687150	79.87220447284350	0.819557934942550	0.868055555555556	0.739644970414201	89.3854748603352	83.76068376068380
92		83.5195530726257	81.15015974440890	0.831898734177215	0.819354838709677	0.803797468354430	90.5027932960894	86.82170542635660
93		84.63687150837990	82.31511254019290	0.842966695186488	0.831168831168831	0.815286624203822	86.03351955307260	78.63247863247860
94		80.16759776536310	75.43252595155710	0.790285966516379	0.8515625	0.677018633540373	86.59217877094970	76.92307692307690
95		86.87150837988830	83.84879725085910	0.858522170601435	0.924242424242424	0.767295597484277	88.8268156424581	78.26086956521740
96		82.40223463687150	79.6116504854369	0.820419513745431	0.798701298701299	0.793548387096774	87.15083798882680	78.89908256880740
97		80.44692737430170	78.125	0.803069620253165	0.771604938271605	0.791139240506329	84.91620111731840	77.68595041322320
98		83.5195530726257	79.2982456140351	0.822765469824293	0.862595419847328	0.733766233766234	90.5027932960894	84.40366972477070
99		79.3296089385475	75.97402597402600	0.789501640368692	0.866666666666667	0.676300578034682	85.47486033519550	78.33333333333330
	Mean	**83.2988826815642**	**80.0694580964366**	**0.826985731330461**	**0.827097211380240**	**0.779105571431143**	**89.03351955307260**	**82.1803565054385**
	Standard Deviation	1.74748015596268	2.25123438279801	0.018501240025074	0.038434086362044	0.047066846423675	2.22991290084168	3.72465062682666
	T Test Significance (Female to Male)						**0.000000000000000**	**0.004319681431129**

	B_F_ROC_AUC	B_F_Precision	B_F_Recall	B_F_FNR	B_F_TNR	B_F_FPR	B_F_TPR	B_M_Accuracy
0	0.912552998182920	0.824561403508772	0.903846153846154	9.615384615384620	92.1259842519685	7.874015748031500	90.38461538461540	75.97765363128490
1	0.892609058071687	0.894736842105263	0.836065573770492	16.39344262295080	94.91525423728810	5.084745762711870	83.60655737704920	80.44692737430170
2	0.868349151567443	0.765625	0.859649122807018	14.03508771929820	87.70491803278690	12.29508196721310	85.96491228070180	78.77094972067040
3	0.848448043184885	0.836065573770492	0.784615384615385	21.53846153846150	91.22807017543860	8.771929824561400	78.46153846153850	78.2122905027933
4	0.910811629315566	0.851851851851852	0.884615384615385	11.53846153846150	93.7007874015748	6.299212598425200	88.46153846153850	74.30167597765360
5	0.857182244279019	0.872727272727273	0.774193548387097	22.58064516129030	94.01709401709400	5.982905982905980	77.41935483870970	79.88826815642460
6	0.868338557993730	0.813559322033898	0.827586206896552	17.24137931034480	90.9090909090909	9.090909090909090	82.75862068965520	74.86033519553070
7	0.825247079964061	0.860465116279070	0.698113207547170	30.18867924528300	95.23809523809520	4.761904761904760	69.81132075471700	75.41899441340780
8	0.880735252208606	0.857142857142857	0.827586206896552	17.24137931034480	93.38842975206610	6.611570247933880	82.75862068965520	77.6536312849162
9	0.828654887432317	0.872340425531915	0.706896551724138	29.31034482758620	95.0413223140496	4.958677685950410	70.6896551724138	74.86033519553070
10	0.873446327683616	0.857142857142857	0.813559322033898	18.64406779661020	93.33333333333330	6.666666666666670	81.35593220338980	78.77094972067040
11	0.887373737373738	0.76	0.863636363636364	13.63636363636360	91.11111111111110	8.88888888888889	86.36363636363640	74.86033519553070
12	0.868768328445748	0.818181818181818	0.818181818181818	18.18181818181820	91.93548387096770	8.064516129032260	81.81818181818180	73.74301675977650
13	0.837394957983193	0.933333333333333	0.7	30.0	97.47899159663870	2.521008403361340	70.0	78.2122905027933
14	0.881920903954802	0.859649122807018	0.830508474576271	16.94915254237290	93.33333333333330	6.666666666666670	83.05084745762710	74.30167597765360
15	0.863488372093023	0.773584905660377	0.82	18.0	90.69767441860470	9.30232558139535	82.0	82.68156424581010
16	0.857056329497274	0.851063829787234	0.769230769230769	23.07692307692310	94.48818897637800	5.511811023622050	76.92307692307690	80.44692737430170
17	0.898870056497175	0.864406779661017	0.864406779661017	13.55932203389830	93.33333333333330	6.666666666666670	86.4406779661017	73.18435754189940
18	0.875815217391304	0.881355932203390	0.8125	18.75	93.91304347826090	6.086956521739130	81.25	78.77094972067040
19	0.904444444444445	0.827586206896552	0.888888888888889	11.11111111111110	92.0	8.0	88.88888888888890	78.2122905027933
20	0.846608720433172	0.818181818181818	0.775862068965517	22.41379310344830	91.73553719008270	8.264462809917360	77.58620689655170	77.09497206703910
21	0.772442291251069	0.871794871794872	0.586206896551724	41.37931034482760	95.86776859504130	4.132231404958680	58.62068965517240	79.88826815642460
22	0.913908246225319	0.862068965517241	0.892857142857143	10.71428571428570	93.4959349593496	6.504065040650410	89.28571428571430	76.53631284916200
23	0.847629629629630	0.836734693877551	0.759259259259259	24.07407407407410	93.60000000000000	6.4	75.92592592592590	81.56424581005590
24	0.897925925925926	0.867924528301887	0.851851851851852	14.81481481481480	94.40000000000000	5.600000000000000	85.18518518518520	78.2122905027933
25	0.805333333333333	0.837209302325581	0.666666666666667	33.33333333333330	94.40000000000000	5.600000000000000	66.66666666666670	72.06703910614520
26	0.880379025363351	0.886792452830189	0.810344827586207	18.96551724137930	95.0413223140496	4.958677685950410	81.03448275862070	71.50837988826820
27	0.884167385677308	0.842105263157895	0.842105263157895	15.78947368421050	92.62295081967210	7.377049180327870	84.21052631578950	73.18435754189940
28	0.858148148148148	0.811320754716981	0.796296296296296	20.37037037037040	92.0	8.0	79.62962962962960	81.56424581005590
29	0.830716865796055	0.833333333333333	0.737704918032787	26.22950819672130	92.37288135593220	7.627118644067800	73.77049180327870	78.77094972067040
30	0.875629629629630	0.976190476190476	0.759259259259259	24.07407407407410	99.2	0.8	75.92592592592590	78.77094972067040
31	0.881803932744372	0.784615384615385	0.879310344827586	12.06896551724140	88.42975206611570	11.57024793388430	87.93103448275860	75.97765363128490
32	0.879380053908356	0.830188679245283	0.830188679245283	16.9811320754717	92.85714285714290	7.142857142857140	83.01886792452830	78.2122905027933
33	0.855571847507331	0.952380952380952	0.727272727272727	27.27272727272730	98.38709677419360	1.612903225806450	72.72727272727270	76.53631284916200
34	0.920588235294118	0.885245901639344	0.9	10.0	94.11764705882350	5.88235294117647	90.0	76.53631284916200
35	0.891316526610644	0.838709677419355	0.866666666666667	13.33333333333330	91.59663865546220	8.403361344537820	86.66666666666670	75.97765363128490
36	0.874780058651026	0.914893617021277	0.781818181818182	21.81818181818180	96.7741935483871	3.225806451612900	78.18181818181820	75.41899441340780
37	0.830716865796055	0.833333333333333	0.737704918032787	26.22950819672130	92.37288135593220	7.627118644067800	73.77049180327870	83.24022346368710
38	0.866048317515099	0.865384615384615	0.789473684210526	21.05263157894740	94.26229508196720	5.737704918032790	78.94736842105260	79.88826815642460
39	0.837262200165426	0.882352941176471	0.725806451612903	27.41935483870970	94.87179487179490	5.128205128205130	72.58064516129030	77.6536312849162
40	0.911240310077519	0.818181818181818	0.9	10.0	92.24806201550390	7.751937984496120	90.0	73.18435754189940
41	0.849117728149986	0.870370370370370	0.758064516129032	24.19354838709680	94.01709401709400	5.982905982905980	75.80645161290320	77.6536312849162
42	0.848141695702671	0.8	0.785714285714286	21.42857142857140	91.05691056910570	8.94308943089431	78.57142857142860	77.09497206703910
43	0.884897360703812	0.882352941176471	0.818181818181818	18.18181818181820	95.16129032258070	4.838709677419360	81.81818181818180	77.6536312849162
44	0.867407407407408	0.814814814814815	0.814814814814815	18.51851851851850	92.0	8.0	81.48148148148150	79.88826815642460
45	0.869037772263579	0.862068965517241	0.806451612903226	19.35483870967740	93.16239316239320	6.837606837606840	80.64516129032260	76.53631284916200
46	0.859717868338558	0.810344827586207	0.810344827586207	18.96551724137930	90.9090909090909	9.090909090909090	81.03448275862070	81.00558659217880
47	0.922287390029326	0.862068965517241	0.909090909090909	9.090909090909090	93.54838709677420	6.451612903225810	90.9090909090909	78.2122905027933
48	0.856779661016949	0.8	0.813559322033898	18.64406779661020	90.0	10.0	81.35593220338980	78.2122905027933
49	0.851078167115903	0.82	0.773584905660377	22.64150943396230	92.85714285714290	7.142857142857140	77.35849056603770	77.09497206703910
50	0.913703703703704	0.830508474576271	0.907407407407407	9.25925925925926	92.0	8.0	90.74074074074080	79.88826815642460
51	0.933703703703704	0.907407407407407	0.907407407407407	9.25925925925926	96.0	4.0	90.74074074074080	82.12290502793300
52	0.920293359123146	0.857142857142857	0.893617021276596	10.63829787234040	94.6969696969697	5.303030303030300	89.36170212765960	78.2122905027933
53	0.854516956397834	0.88	0.758620689655172	24.13793103448280	95.0413223140496	4.958677685950410	75.86206896551720	80.44692737430170
54	0.871441550575409	0.71875	0.884615384615385	11.53846153846150	85.8267716535433	14.17322834645670	88.46153846153850	78.77094972067040
55	0.853753235547886	0.818181818181818	0.789473684210526	21.05263157894740	91.80327868852460	8.19672131147541	78.94736842105260	80.44692737430170
56	0.840201778385773	0.693877551020408	0.790697674418605	20.93023255813950	88.97058823529410	11.02941176470590	79.06976744186050	76.53631284916200
57	0.861938240970499	0.921568627450980	0.758064516129032	24.19354838709680	96.58119658119660	3.418803418803420	75.80645161290320	69.83240223463690
58	0.904028799019608	0.862745098039216	0.862745098039216	13.72549019607840	94.53125	5.46875	86.27450980392160	73.74301675977650
59	0.886343216531896	0.793103448275862	0.867924528301887	13.20754716981130	90.47619047619050	9.523809523809520	86.79245283018870	81.00558659217880
60	0.860675039246468	0.732142857142857	0.836734693877551	16.3265306122449	88.46153846153850	11.53846153846150	83.6734693877551	80.44692737430170
61	0.860074095183813	0.786885245901639	0.827586206896552	17.24137931034480	89.25619834710740	10.74380165289260	82.75862068965520	78.2122905027933
62	0.913196480938416	0.859649122807018	0.890909090909091	10.90909090909090	93.54838709677420	6.451612903225810	89.0909090909091	79.3296089385475
63	0.830932203389830	0.875	0.711864406779661	28.8135593220339	95.0	5.0	71.1864406779661	79.3296089385475
64	0.881925925925926	0.807017543859649	0.851851851851852	14.81481481481480	91.2	8.800000000000000	85.18518518518520	78.2122905027933
65	0.895518207282913	0.852459016393443	0.866666666666667	13.33333333333330	92.43697478991600	7.563025210084030	86.66666666666670	73.18435754189940
66	0.855029174770770	0.816666666666667	0.803278688524590	19.67213114754100	90.67796610169490	9.322033898305090	80.32786885245900	77.6536312849162
67	0.859497645211931	0.795918367346939	0.795918367346939	20.40816326530610	92.3076923076923	7.692307692307690	79.59183673469390	75.41899441340780
68	0.859525778880618	0.787878787878788	0.838709677419355	16.12903225806450	88.03418803418800	11.96581196581200	83.87096774193550	79.88826815642460
69	0.870721886683923	0.851851851851852	0.807017543859649	19.29824561403510	93.44262295081970	6.557377049180330	80.7017543859649	79.88826815642460
70	0.905884867483614	0.924528301886793	0.844827586206897	15.51724137931030	96.69421487603310	3.305785123966940	84.48275862068970	76.53631284916200
71	0.866211745244003	0.94	0.758064516129032	24.19354838709680	97.43589743589740	2.564102564102560	75.80645161290320	80.44692737430170
72	0.900269541778976	0.735294117647059	0.943396226415094	5.660377358490570	85.71428571428570	14.28571428571430	94.33962264150940	79.88826815642460
73	0.867741935483871	0.846153846153846	0.8	20.0	93.54838709677420	6.451612903225810	80.0	77.6536312849162
74	0.867773943054357	0.786885245901639	0.842105263157895	15.78947368421050	89.34426229508200	10.65573770491800	84.21052631578950	72.06703910614520
75	0.895736434108527	0.762711864406780	0.9	10.0	89.14728682170540	10.85271317829460	90.0	77.09497206703910
76	0.892444444444444	0.786885245901639	0.888888888888889	11.11111111111110	89.60000000000000	10.4	88.88888888888890	78.77094972067040
77	0.847343205574913	0.826923076923077	0.767857142857143	23.21428571428570	92.6829268292683	7.317073170731710	76.78571428571430	73.74301675977650
78	0.843255680184067	0.911111111111111	0.719298245614035	28.07017543859650	96.72131147540980	3.278688524590160	71.9298245614035	78.77094972067040
79	0.928319209039548	0.913793103448276	0.898305084745763	10.16949152542370	95.83333333333330	4.166666666666670	89.83050847457630	74.86033519553070
80	0.895063597819503	0.793103448275862	0.884615384615385	11.53846153846150	90.5511811023622	9.448818897637790	88.46153846153850	75.41899441340780
81	0.889787361485475	0.914893617021277	0.811320754716981	18.86792452830190	96.82539682539680	3.174603174603170	81.13207547169810	81.00558659217880
82	0.908168935815504	0.823529411764706	0.918032786885246	8.19672131147541	89.83050847457630	10.16949152542370	91.80327868852460	75.97765363128490
83	0.821102878312910	0.781818181818182	0.741379310344828	25.86206896551720	90.08264462809920	9.917355371900830	74.13793103448280	74.86033519553070
84	0.848888888888889	0.807692307692308	0.777777777777778	22.22222222222220	92.0	8.0	77.77777777777780	74.86033519553070
85	0.807201086956522	0.793103448275862	0.71875	28.125	89.56521739130440	10.43478260869570	71.875	77.09497206703910
86	0.824266862170088	0.925	0.672727272727273	32.72727272727270	97.58064516129030	2.419354838709680	67.27272727272730	77.6536312849162
87	0.853876306620209	0.931818181818182	0.732142857142857	26.78571428571430	97.5609756097561	2.439024390243900	73.21428571428570	80.44692737430170
88	0.886420722135008	0.928571428571429	0.795918367346939	20.40816326530610	97.6923076923077	2.307692307692310	79.59183673469390	76.53631284916200
89	0.873257839721254	0.735294117647059	0.892857142857143	10.71428571428570	85.36585365853660	14.63414634146340	89.28571428571430	86.03351955307260
90	0.837616144018583	0.854166666666667	0.732142857142857	26.78571428571430	94.3089430894309	5.691056910569110	73.21428571428570	78.2122905027933
91	0.874719887955182	0.859649122807018	0.816666666666667	18.33333333333330	93.27731092436970	6.722689075630250	81.66666666666670	75.41899441340780
92	0.898369565217391	0.861538461538462	0.875	12.5	92.17391304347830	7.82608695652174	87.5	76.53631284916200
93	0.839830508474576	0.793103448275862	0.779661016949153	22.03389830508470	90.0	10.0	77.96610169491530	83.24022346368710
94	0.815156988052237	0.930232558139535	0.655737704918033	34.42622950819670	97.45762711864410	2.542372881355930	65.57377049180330	73.74301675977650
95	0.830405814657783	0.9	0.692307692307692	30.76923076923080	96.8503937007874	3.149606299212600	69.23076923076920	84.91620111731840
96	0.854073075771189	0.767857142857143	0.811320754716981	18.86792452830190	89.68253968253970	10.31746031746030	81.13207547169810	77.6536312849162
97	0.855185185185185	0.701492537313433	0.870370370370370	12.96296296296300	84.0	16.0	87.03703703703700	75.97765363128490
98	0.875890567113138	0.901960784313726	0.793103448275862	20.68965517241380	95.86776859504130	4.132231404958680	79.3103448275862	76.53631284916200
99	0.823960554371002	0.886792452830189	0.701492537313433	29.85074626865670	94.64285714285710	5.357142857142860	70.1492537313433	73.18435754189940
Mean	**0.868668149365876**	**0.842210026891838**	**0.808777211362842**	**19.1222788637158**	**92.8559087368911**	**7.144091263108880**	**80.87772113628420**	**77.5642458100559**
Standard Deviation	0.030143173744351	0.056399939763697	0.068970374525083	6.8970374525083	3.00145593774029	3.001455937740290	6.89703745250830	2.93229037240431
T Test Significance (Female to Male)	**0.000000000000004**	**0.142669317291181**	**0.000645638429056**	**0.000000124431005**	**0.000000000000000**	**0.000000000000000**	**0.000645638429056**	

	B_M_FScore	B_M_ROC_AUC	B_M_Precision	B_M_Recall	B_M_FNR	B_M_TNR	B_M_FPR	B_M_TPR
0	76.24309392265190	0.762989457831325	0.811764705882353	0.71875	28.125	80.72289156626510	19.27710843373490	71.875
1	80.22598870056500	0.809550702811245	0.876543209876543	0.739583333333333	26.04166666666670	87.95180722891570	12.04819277108430	73.95833333333330
2	80.0	0.788094040734222	0.817204301075269	0.783505154639175	21.64948453608250	79.26829268292680	20.73170731707320	78.35051546391750
3	80.0	0.780110636157908	0.795918367346939	0.804123711340206	19.58762886597940	75.60975609756100	24.39024390243900	80.41237113402060
4	75.78947368421050	0.74180225281602	0.75	0.765957446808511	23.40425531914890	71.76470588235290	28.23529411764710	76.59574468085110
5	78.82352941176470	0.799188514357054	0.8375	0.744444444444445	25.55555555555560	85.39325842696630	14.60674157303370	74.44444444444440
6	78.04878048780490	0.750652060511216	0.824742268041237	0.740740740740741	25.92592592592590	76.05633802816900	23.94366197183100	74.07407407407410
7	76.08695652173910	0.758377425044092	0.813953488372093	0.714285714285714	28.57142857142860	80.24691358024690	19.75308641975310	71.42857142857140
8	79.16666666666670	0.777588383838384	0.817204301075269	0.767676767676768	23.23232323232320	78.75	21.25	76.76767676767680
9	75.13812154696130	0.749312328082021	0.772727272727273	0.731182795698925	26.88172043010750	76.74418604651160	23.25581395348840	73.11827956989250
10	80.0	0.786608260325407	0.791666666666667	0.808510638297872	19.14893617021280	76.47058823529410	23.52941176470590	80.85106382978720
11	77.15736040609140	0.747088607594937	0.783505154639175	0.76	24.0	73.41772151898740	26.58227848101270	76.0
12	77.29468599033820	0.729372937293729	0.754716981132076	0.792079207920792	20.79207920792080	66.66666666666670	33.33333333333330	79.20792079207920
13	81.86046511627910	0.783319924912845	0.862745098039216	0.778761061946903	22.12389380530970	78.78787878787880	21.21212121212120	77.87610619469030
14	76.04166666666670	0.744746835443038	0.793478260869565	0.73	27.0	75.9493670886076	24.05063291139240	73.0
15	83.93782383419690	0.833993357179356	0.9	0.786407766990291	21.35922330097090	88.1578947368421	11.84210526315790	78.64077669902910
16	80.66298342541440	0.806829573934837	0.848837209302326	0.768421052631579	23.15789473684210	84.52380952380950	15.47619047619050	76.84210526315790
17	75.75757575757580	0.728787878787879	0.757575757575758	0.757575757575758	24.24242424242420	70.0	30.0	75.75757575757580
18	81.0	0.797535211267606	0.880434782608696	0.75	25.0	84.50704225352110	15.49295774647890	75.0
19	78.9189189189189	0.803243732230551	0.924050632911392	0.688679245283019	31.13207547169810	91.78082191780820	8.21917808219178	68.86792452830190
20	80.75117370892020	0.769740328563858	0.843137254901961	0.774774774774775	22.52252252252250	76.47058823529410	23.52941176470590	77.47747747747750
21	79.7752808988764	0.802255639097744	0.855421686746988	0.747368421052632	25.26315789473680	85.71428571428570	14.28571428571430	74.73684210526320
22	77.17391304347830	0.766046453546453	0.739583333333333	0.806818181818182	19.31818181818180	72.52747252747250	27.47252747252750	80.68181818181820
23	81.35593220338980	0.815730337078652	0.827586206896552	0.8	20.0	83.14606741573030	16.85393258426970	80.0
24	79.14438502673800	0.782397003745318	0.755102040816327	0.831460674157303	16.85393258426970	73.33333333333330	26.66666666666670	83.14606741573030
25	74.22680412371140	0.721820258948972	0.774193548387097	0.712871287128713	28.71287128712870	73.07692307692310	26.92307692307690	71.28712871287130
26	71.18644067796610	0.718483709273183	0.768292682926829	0.663157894736842	33.68421052631580	77.38095238095240	22.61904761904760	66.3157894736842
27	73.91304347826090	0.742424242424242	0.829268292682927	0.666666666666667	33.33333333333330	81.81818181818180	18.18181818181820	66.66666666666670
28	81.35593220338980	0.816058941058941	0.837209302325581	0.791208791208791	20.87912087912090	84.0909090909091	15.90909090909090	79.12087912087910
29	78.16091954022990	0.788399100899101	0.819277108433735	0.747252747252747	25.27472527472530	82.95454545454550	17.04545454545450	74.72527472527470
30	78.16091954022990	0.787578027465668	0.8	0.764044943820225	23.59550561797750	81.11111111111110	18.88888888888890	76.40449438202250
31	77.48691099476440	0.758314578644661	0.755102040816327	0.795698924731183	20.43010752688170	72.09302325581400	27.90697674418600	79.56989247311830
32	78.91891891891890	0.781780719280719	0.776595744680851	0.802197802197802	19.78021978021980	76.13636363636360	23.86363636363640	80.21978021978020
33	78.35051546391750	0.764298311917360	0.791666666666667	0.775510204081633	22.44897959183670	75.30864197530870	24.69135802469140	77.55102040816330
34	77.89473684210530	0.765589640432487	0.795698924731183	0.762886597938144	23.71134020618560	76.82926829268290	23.17073170731710	76.28865979381440
35	76.24309392265190	0.766092532059341	0.696969696969697	0.841463414634146	15.85365853658540	69.0721649484536	30.92783505154640	84.14634146341460
36	76.08695652173910	0.756149598393574	0.795454545454545	0.729166666666667	27.08333333333330	78.3132530120482	21.68674698795180	72.91666666666670
37	85.98130841121500	0.833532061473238	0.893203883495146	0.828282828282829	17.11711711711710	83.82352941176470	16.17647058823530	82.88288288288290
38	81.05263157894740	0.818146417445483	0.927710843373494	0.719626168224299	28.03738317757010	91.66666666666670	8.333333333333330	71.96261682242990
39	79.38144329896910	0.785585585585586	0.865168539325843	0.733333333333333	26.66666666666670	83.78378378378380	16.21621621621620	73.33333333333330
40	74.19354838709680	0.733718883580589	0.775280898876405	0.711340206185567	28.86597938144330	75.60975609756100	24.39024390243900	71.1340206185567
41	77.77777777777780	0.776529338327091	0.777777777777778	0.777777777777778	22.22222222222220	77.52808988764050	22.47191011235960	77.77777777777780
42	76.57142857142860	0.778287654010561	0.858974358974359	0.690721649484536	30.92783505154640	86.58536585365850	13.41463414634150	69.0721649484536
43	78.49462365591400	0.784463061690784	0.858823529411765	0.722772277227723	27.72277227722770	84.61538461538460	15.38461538461540	72.27722772277230
44	82.85714285714290	0.795430944963655	0.844660194174757	0.813084112149533	18.69158878504670	77.77777777777780	22.22222222222220	81.30841121495330
45	76.40449438202250	0.769829317269076	0.829268292682927	0.708333333333333	29.16666666666670	83.13253012048190	16.86746987951810	70.83333333333330
46	83.16831683168320	0.812162162162162	0.865979381443299	0.8	20.0	82.43243243243240	17.56756756756760	80.0
47	80.97560975609760	0.799074818986324	0.902173913043478	0.734513274336283	26.54867256637170	86.36363636363640	13.63636363636360	73.45132743362830
48	78.45303867403320	0.782155344655345	0.788888888888889	0.780219780219780	21.97802197802200	78.4090909090909	21.59090909090910	78.02197802197800
49	78.07486631016040	0.773683547493071	0.820224719101124	0.744897959183674	25.51020408163270	80.24691358024690	19.75308641975310	74.48979591836740
50	80.64516129032260	0.799498746867168	0.824175824175824	0.789473684210526	21.05263157894740	80.95238095238100	19.04761904761900	78.94736842105260
51	82.41758241758240	0.821830457614404	0.842696629213483	0.806451612903226	19.35483870967740	83.72093023255820	16.27906976744190	80.64516129032260
52	81.15942028985510	0.787615283267457	0.865979381443299	0.763636363636364	23.63636363636360	81.15942028985510	18.84057971014490	76.36363636363640
53	81.08108108108110	0.804388597149287	0.815217391304348	0.806451612903226	19.35483870967740	80.23255813953490	19.76744186046510	80.64516129032260
54	79.34782608695650	0.787890137328340	0.768421052631579	0.820224719101124	17.97752808988760	75.55555555555560	24.44444444444440	82.02247191011240
55	82.23350253807110	0.803734177215190	0.835051546391753	0.81	19.0	79.74683544303800	20.25316455696200	81.0
56	78.57142857142860	0.765803503427266	0.810526315789474	0.762376237623762	23.76237623762380	76.92307692307690	23.07692307692310	76.23762376237620
57	69.66292134831460	0.713012477718360	0.815789473684211	0.607843137254902	39.21568627450980	81.81818181818180	18.18181818181820	60.78431372549020
58	73.74301675977650	0.744142101284959	0.814814814814815	0.673469387755102	32.6530612244898	81.48148148148150	18.51851851851850	67.3469387755102
59	82.10526315789470	0.815625793348566	0.876404494382023	0.772277227722772	22.77227722772280	85.8974358974359	14.10256410256410	77.22772277227720
60	82.92682926829270	0.801987179487180	0.841584158415842	0.817307692307692	18.26923076923080	78.66666666666670	21.33333333333330	81.73076923076920
61	77.96610169491530	0.783045977011494	0.811764705882353	0.75	25.0	81.60919540229890	18.39080459770120	75.0
62	80.6282722513089	0.792041479260370	0.777777777777778	0.836956521739131	16.30434782608700	74.71264367816090	25.28735632183910	83.69565217391310
63	80.21390374331550	0.799050632911392	0.862068965517241	0.75	25.0	84.81012658227850	15.18987341772150	75.0
64	78.9189189189189	0.785794743429287	0.73	0.858823529411765	14.11764705882350	71.27659574468090	28.72340425531920	85.88235294117650
65	76.0	0.735202894804859	0.808510638297872	0.716981132075472	28.30188679245280	75.34246575342470	24.65753424657530	71.69811320754720
66	80.19801980198020	0.773682200152788	0.81	0.794117647058824	20.58823529411760	75.32467532467530	24.67532467532470	79.41176470588240
67	77.55102040816330	0.752588383838384	0.783505154639175	0.767676767676768	23.23232323232320	73.75	26.25	76.76767676767680
68	80.85106382978720	0.798100949525238	0.791666666666667	0.826086956521739	17.39130434782610	77.01149425287360	22.98850574712640	82.6086956521739
69	80.85106382978720	0.802588383838384	0.853932584269663	0.767676767676768	23.23232323232320	83.75	16.25	76.76767676767680
70	78.125	0.764118975903614	0.78125	0.78125	21.875	74.69879518072290	25.30120481927710	78.125
71	81.4814814814815	0.810675298299061	0.875	0.762376237623762	23.76237623762380	85.8974358974359	14.10256410256410	76.23762376237620
72	83.78378378378380	0.781455696202532	0.762295081967213	0.93	7.000000000000000	63.29113924050630	36.70886075949370	93.0
73	79.16666666666670	0.776643990929705	0.808510638297872	0.775510204081633	22.44897959183670	77.77777777777780	22.22222222222220	77.55102040816330
74	74.48979591836740	0.717557730923695	0.73	0.760416666666667	23.95833333333330	67.46987951807230	32.53012048192770	76.04166666666670
75	78.75647668393780	0.769327309236948	0.783505154639175	0.791666666666667	20.83333333333330	74.69879518072290	25.30120481927710	79.16666666666670
76	80.8080808080808	0.793114543114543	0.860215053763441	0.761904761904762	23.80952380952380	82.43243243243240	17.56756756756760	76.19047619047620
77	78.13953488372090	0.724324324324324	0.763636363636364	0.8	20.0	64.86486486486490	35.13513513513510	80.0
78	78.16091954022990	0.792418546365915	0.860759493670886	0.715789473684211	28.42105263157890	86.90476190476190	13.09523809523810	71.57894736842110
79	73.6842105263158	0.750437281359320	0.797468354430380	0.684782608695652	31.52173913043480	81.60919540229890	18.39080459770120	68.47826086956520
80	76.59574468085110	0.753373313343328	0.75	0.782608695652174	21.73913043478260	72.41379310344830	27.58620689655170	78.26086956521740
81	81.5217391304348	0.809925093632959	0.797872340425532	0.833333333333333	16.66666666666670	78.65168539325840	21.34831460674160	83.33333333333330
82	78.39195979899500	0.761666666666667	0.821052631578947	0.75	25.0	77.33333333333330	22.66666666666670	75.0
83	76.92307692307690	0.747537878787879	0.78125	0.757575757575758	24.24242424242420	73.75	26.25	75.75757575757580
84	74.86033519553070	0.751441102756892	0.797619047619048	0.705263157894737	29.47368421052630	79.76190476190480	20.23809523809520	70.52631578947370
85	75.44910179640720	0.772290209790210	0.828947368421053	0.692307692307692	30.76923076923080	85.22727272727270	14.77272727272730	69.23076923076920
86	78.26086956521740	0.780927185689091	0.837209302325581	0.734693877551020	26.53061224489800	82.71604938271610	17.28395061728400	73.46938775510210
87	81.4814814814815	0.814575881451201	0.895348837209302	0.747572815533981	25.24271844660190	88.1578947368421	11.84210526315790	74.75728155339810
88	77.6595744680851	0.768686868686869	0.820224719101124	0.737373737373737	26.26262626262630	80.0	20.0	73.73737373737370
89	88.58447488584470	0.845873786407767	0.836206896551724	0.941747572815534	5.825242718446600	75.0	25.0	94.1747572815534
90	79.36507936507940	0.796332046332046	0.892857142857143	0.714285714285714	28.57142857142860	87.83783783783780	12.16216216216220	71.42857142857140
91	77.55102040816330	0.770052424639581	0.873563218390805	0.697247706422018	30.27522935779820	84.28571428571430	15.71428571428570	69.72477064220180
92	77.17391304347830	0.765894868585732	0.788888888888889	0.755319148936170	24.46808510638300	77.64705882352940	22.35294117647060	75.53191489361700
93	84.5360824742268	0.831947593852356	0.854166666666667	0.836734693877551	16.3265306122449	82.71604938271610	17.28395061728400	83.6734693877551
94	74.59459459459460	0.743734177215190	0.811764705882353	0.69	31.0	79.74683544303800	20.25316455696200	69.0
95	86.4321608040201	0.860202492211838	0.934782608695652	0.803738317757009	19.62616822429910	91.66666666666670	8.333333333333330	80.37383177570090
96	80.0	0.775273745861981	0.816326530612245	0.784313725490196	21.56862745098040	76.62337662337660	23.37662337662340	78.43137254901960
97	78.39195979899500	0.761666666666667	0.821052631578947	0.75	25.0	77.33333333333330	22.66666666666670	75.0
98	76.13636363636360	0.770645080321285	0.8375	0.697916666666667	30.20833333333330	84.33734939759040	15.66265060240960	69.79166666666670
99	74.46808510638300	0.747996898423365	0.853658536585366	0.660377358490566	33.9622641509434	83.56164383561640	16.43835616438360	66.0377358490566
Mean	**78.7777216339719**	**0.778026924590898**	**0.818960825445748**	**0.762426191216315**	**23.7573808783685**	**79.36276579654820**	**20.6372342034518**	**76.2426191216315**
Standard Deviation	3.1036299483256	0.029462839565768	0.046178414367669	0.052603591900228	5.26035919002281	5.69148578668770	5.6914857866877	5.26035919002281
T Test Significance (Female to Male)								

3.1.2 Balanced training data, no feature selection - Gaussian Naive Bayes Classifier

	B_Accuracy	B_FScore	B_ROC_AUC	B_Precision	B_Recall
0	75.69832402234640	65.0602409638554	0.731329113924051	0.890109890109890	0.512658227848101
1	74.02234636871510	60.75949367088610	0.701327505261454	0.782608695652174	0.496551724137931
2	78.49162011173190	67.78242677824270	0.752510760401722	0.941860465116279	0.529411764705882
3	74.58100558659220	63.45381526104420	0.720789482001201	0.877777777777778	0.496855345911950
4	72.62569832402240	62.3076923076923	0.705145202020202	0.81	0.50625
5	74.86033519553070	61.86440677966100	0.711473619986513	0.839080459770115	0.489932885906040
6	75.97765363128490	64.75409836065580	0.728901641957596	0.868131868131868	0.516339869281046
7	75.41899441340780	62.39316239316240	0.714622641509434	0.829545454545455	0.5
8	72.90502793296090	59.75103734439830	0.701289466198919	0.878048780487805	0.452830188679245
9	74.02234636871510	60.42553191489360	0.705196875498167	0.865853658536585	0.464052287581699
10	74.30167597765360	59.29203539823010	0.696563641105895	0.797619047619048	0.471830985915493
11	77.6536312849162	66.10169491525420	0.737843551797040	0.838709677419355	0.545454545454545
12	76.81564245810060	65.27196652719670	0.731745929180667	0.838709677419355	0.534246575342466
13	74.30167597765360	63.2	0.720867976820358	0.897727272727273	0.487654320987654
14	72.62569832402240	55.04587155963300	0.680769230769231	0.882352941176471	0.4
15	76.81564245810060	63.11111111111110	0.725579150579151	0.922077922077922	0.479729729729730
16	77.09497206703910	64.65517241379310	0.729679622702879	0.842696629213483	0.524475524475525
17	70.94972067039110	60.0	0.694265918424930	0.838709677419355	0.467065868263473
18	76.53631284916200	66.9291338582677	0.740849890674019	0.876288659793814	0.541401273885350
19	78.2122905027933	65.78947368421050	0.739841346932168	0.903614457831325	0.517241379310345
20	72.90502793296090	60.40816326530610	0.700050774308200	0.831460674157303	0.474358974358974
21	73.46368715083800	60.90534979423870	0.709509096068354	0.902439024390244	0.459627329192547
22	79.05027932960890	70.8171206225681	0.766914191419142	0.900990099009901	0.583333333333333
23	77.37430167597770	68.48249027237350	0.749388209121246	0.862745098039216	0.567741935483871
24	75.13966480446930	62.76150627615060	0.715283140283140	0.824175824175824	0.506756756756757
25	77.09497206703910	65.2542372881356	0.733038252778496	0.855555555555556	0.527397260273973
26	70.6703910614525	56.79012345679010	0.682350718065004	0.851851851851852	0.425925925925926
27	72.3463687150838	60.55776892430280	0.698792705666698	0.826086956521739	0.477987421383648
28	76.25698324022350	63.20346320346320	0.724102564102564	0.901234567901235	0.486666666666667
29	72.90502793296090	58.36909871244640	0.688065391574050	0.781609195402299	0.465753424657534
30	77.09497206703910	65.83333333333330	0.737434814601529	0.887640449438202	0.523178807947020
31	77.37430167597770	66.66666666666670	0.740315315315315	0.852631578947368	0.547297297297297
32	76.53631284916200	67.6923076923077	0.744696969696970	0.88	0.55
33	75.41899441340780	63.02521008403360	0.718185029382486	0.842696629213483	0.503355704697987
34	75.97765363128490	61.94690265486730	0.716141121736883	0.875	0.479452054794521
35	73.18435754189940	62.7906976744186	0.716336959588676	0.890109890109890	0.485029940119760
36	72.62569832402240	58.11965811965810	0.685706901008013	0.772727272727273	0.465753424657534
37	73.18435754189940	56.36363636363640	0.687435897435898	0.885714285714286	0.413333333333333
38	77.93296089385480	70.63197026022300	0.759653583346576	0.833333333333333	0.612903225806452
39	77.6536312849162	66.66666666666670	0.743161531816873	0.898876404494382	0.529801324503311
40	74.30167597765360	63.2	0.716766486041132	0.849462365591398	0.503184713375796
41	73.18435754189940	60.0	0.697347794094123	0.808988764044944	0.476821192052980
42	75.97765363128490	64.46280991735540	0.724104361370716	0.795918367346939	0.541666666666667
43	73.46368715083800	63.32046332046330	0.723723301122682	0.931818181818182	0.479532163742690
44	74.30167597765360	64.34108527131780	0.721496212121212	0.846938775510204	0.51875
45	76.81564245810060	67.19367588932810	0.743987341772152	0.894736842105263	0.537974683544304
46	74.02234636871510	64.63878326996200	0.723063867236611	0.858585858585859	0.518292682926829
47	70.6703910614525	56.06694560669460	0.675139629347550	0.807228915662651	0.429487179487179
48	78.49162011173190	68.3127572016461	0.750995628946090	0.846938775510204	0.572413793103448
49	74.30167597765360	62.29508196721310	0.712439521263051	0.844444444444444	0.493506493506494
50	74.86033519553070	61.53846153846150	0.708839493409150	0.818181818181818	0.493150684931507
51	75.13966480446930	64.82213438735180	0.724567099567100	0.828282828282828	0.532467532467532
52	72.06703910614520	60.31746031746030	0.697953778730649	0.835164835164835	0.472049689440994
53	79.3296089385475	68.64406779661020	0.756170845179633	0.9	0.554794520547945
54	75.41899441340780	64.22764227642280	0.724023593177108	0.849462365591398	0.516339869281046
55	74.58100558659220	59.55555555555560	0.701824805751685	0.858974358974359	0.455782312925170
56	72.62569832402240	59.16666666666670	0.698144812110869	0.876543209876543	0.446540880503145
57	72.90502793296090	61.0441767068273	0.700826314953123	0.808510638297872	0.490322580645161
58	74.30167597765360	63.20000000000000	0.719097222222222	0.877777777777778	0.49375
59	76.53631284916200	65.2892561983471	0.731607848174433	0.849462365591398	0.530201342281879
60	76.81564245810060	64.37768240343350	0.729035690105426	0.872093023255814	0.510204081632653
61	74.58100558659220	61.27659574468090	0.712553631018592	0.9	0.464516129032258
62	74.58100558659220	63.74501992031870	0.719281543538969	0.842105263157895	0.512820512820513
63	73.74301675977650	63.28125	0.719547809703250	0.890109890109890	0.490909090909091
64	74.30167597765360	63.4920634920635	0.718909010461111	0.860215053763441	0.503144654088050
65	73.18435754189940	62.50000000000000	0.705818691112809	0.784313725490196	0.519480519480519
66	75.69832402234640	66.92015209125480	0.737758930541981	0.862745098039216	0.546583850931677
67	74.58100558659220	62.24066390041490	0.710078344133862	0.797872340425532	0.510204081632653
68	71.22905027932960	58.96414342629480	0.688320707070707	0.813186813186813	0.4625
69	74.30167597765360	63.77952755905510	0.721095942239178	0.870967741935484	0.503105590062112
70	72.62569832402240	58.11965811965810	0.690514905149052	0.839506172839506	0.444444444444444
71	75.97765363128490	64.46280991735540	0.729445415541077	0.896551724137931	0.503225806451613
72	72.62569832402240	59.83606557377050	0.692334864005652	0.768421052631579	0.489932885906040
73	76.81564245810060	65.56016597510370	0.734487179487180	0.868131868131868	0.526666666666667
74	77.09497206703910	65.25423728813560	0.731248142154110	0.777777777777778	0.562043795620438
75	74.58100558659220	62.24066390041490	0.711538461538462	0.824175824175824	0.5
76	74.30167597765360	64.0625	0.722474174855127	0.872340425531915	0.506172839506173
77	73.74301675977650	61.78861788617890	0.709699908102798	0.853932584269663	0.484076433121019
78	78.49162011173190	68.57142857142860	0.754997608799617	0.913043478260870	0.549019607843137
79	73.74301675977650	60.16949152542370	0.702757851107923	0.855421686746988	0.464052287581699
80	73.74301675977650	61.78861788617890	0.71135551973705	0.873563218390805	0.477987421383648
81	72.90502793296090	56.50224215246640	0.678673499556519	0.75	0.453237410071942
82	72.62569832402240	63.70370370370370	0.709309649785840	0.796296296296296	0.530864197530864
83	73.74301675977650	60.83333333333330	0.703723811957077	0.829545454545455	0.480263157894737
84	72.3463687150838	59.91902834008100	0.698421717171717	0.850574712643678	0.4625
85	76.53631284916200	62.16216216216220	0.718555295950156	0.884615384615385	0.479166666666667
86	72.3463687150838	57.5107296137339	0.686414154317834	0.827160493827161	0.440789473684211
87	72.90502793296090	60.72874493927130	0.700780654988576	0.824175824175824	0.480769230769231
88	72.90502793296090	56.8888888888889	0.686891025641026	0.853333333333333	0.426666666666667
89	74.02234636871510	60.75949367088610	0.703942307692308	0.827586206896552	0.48
90	72.62569832402240	61.71875	0.704732477850995	0.831578947368421	0.490683229813665
91	74.30167597765360	62.29508196721310	0.712439521263051	0.844444444444444	0.493506493506494
92	74.86033519553070	62.18487394957980	0.715000797066794	0.870588235294118	0.483660130718954
93	74.86033519553070	63.11475409836070	0.720347308045759	0.885057471264368	0.490445859872611
94	76.53631284916200	62.5	0.717259552042161	0.813953488372093	0.507246376811594
95	75.97765363128490	66.14173228346460	0.735822784810127	0.875	0.531645569620253
96	75.41899441340780	67.88321167883210	0.742575187969925	0.877358490566038	0.553571428571429
97	75.13966480446930	64.2570281124498	0.725664556962025	0.879120879120879	0.506329113924051
98	71.50837988826820	58.19672131147540	0.691074577979340	0.865853658536585	0.438271604938272
99	75.69832402234640	63.29113924050630	0.723146819703491	0.892857142857143	0.490196078431373
Mean	**74.75418994413410**	**62.7989473508903**	**0.716673057228117**	**0.852813984185844**	**0.498275690086451**
Standard Deviation	1.97427257922838	3.2626726824962	0.019678714793475	0.037984181621175	0.037679379791179
T Test Significance (Female to Male)					

	B_F_Accuracy	B_F_FScore	B_F_ROC_AUC	B_F_Precision	B_F_Recall	B_F_FNR	B_F_TNR	B_F_FPR	B_F_TPR
0	79.88826815642460	59.09090909090910	0.708263305322129	0.928571428571429	0.433333333333333	56.66666666666670	98.31932773109240	1.680672268907560	43.33333333333330
1	78.2122905027933	46.57534246575340	0.647135416666667	0.772727272727273	0.333333333333333	66.66666666666670	96.09375	3.90625	33.33333333333330
2	83.24022346368710	62.5	0.727272727272727	1.0	0.454545454545455	54.54545454545450	100.0	0.0	45.45454545454550
3	77.6536312849162	48.71794871794870	0.658469945355191	0.904761904761905	0.333333333333333	66.66666666666670	98.36065573770490	1.639344262295080	33.33333333333330
4	75.97765363128490	51.68539325842700	0.668389853873725	0.851851851851852	0.370967741935484	62.90322580645160	96.58119658119660	3.418803418803420	37.09677419354840
5	78.77094972067040	47.22222222222220	0.651041666666667	0.809523809523810	0.333333333333333	66.66666666666670	96.875	3.125	33.33333333333330
6	82.68156424581010	61.72839506172840	0.723481481481482	0.925925925925926	0.462962962962963	53.70370370370370	98.4	1.6	46.2962962962963
7	78.2122905027933	56.17977528089890	0.691526610644258	0.862068965517241	0.416666666666667	58.33333333333330	96.63865546218490	3.361344537815130	41.66666666666670
8	79.88826815642460	50.0	0.664442700156986	0.782608695652174	0.367346938775510	63.26530612244900	96.15384615384620	3.846153846153850	36.73469387755100
9	78.2122905027933	48.0	0.653938304881701	0.818181818181818	0.339622641509434	66.0377358490566	96.82539682539680	3.174603174603170	33.9622641509434
10	77.6536312849162	45.94594594594590	0.644504342617550	0.809523809523810	0.320754716981132	67.9245283018868	96.82539682539680	3.174603174603170	32.07547169811320
11	82.12290502793300	51.51515151515150	0.673963515754561	0.809523809523810	0.377777777777778	62.22222222222220	97.01492537313430	2.985074626865670	37.77777777777780
12	79.88826815642460	55.00000000000000	0.688298490127759	0.916666666666667	0.392857142857143	60.71428571428570	98.3739837398374	1.626016260162600	39.28571428571430
13	74.86033519553070	41.55844155844160	0.627259887005650	0.888888888888889	0.271186440677966	72.88135593220340	98.33333333333330	1.666666666666670	27.11864406779660
14	78.77094972067040	47.22222222222220	0.651650514839491	0.85	0.326923076923077	67.3076923076923	97.63779527559060	2.362204724409450	32.69230769230770
15	81.56424581005590	60.24096385542170	0.715199884958297	0.961538461538462	0.438596491228070	56.14035087719300	99.18032786885250	0.819672131147541	43.85964912280700
16	81.56424581005590	53.52112676056340	0.683965348152991	0.76	0.413043478260870	58.69565217391310	95.48872180451130	4.511278195488720	41.30434782608700
17	78.2122905027933	53.01204819277110	0.676103368176539	0.814814814814815	0.392857142857143	60.71428571428570	95.9349593495935	4.065040650406500	39.28571428571430
18	77.09497206703910	49.38271604938270	0.657624633431085	0.769230769230769	0.363636363636364	63.63636363636360	95.16129032258070	4.838709677419360	36.36363636363640
19	83.79888268156430	57.97101449275360	0.707296849087894	0.833333333333333	0.444444444444444	55.55555555555560	97.01492537313430	2.985074626865670	44.44444444444440
20	79.3296089385475	54.32098765432100	0.684233449477352	0.88	0.392857142857143	60.71428571428570	97.5609756097561	2.439024390243900	39.28571428571430
21	75.97765363128490	49.41176470588240	0.659419283134204	0.875	0.344262295081967	65.57377049180330	97.45762711864410	2.542372881355930	34.42622950819670
22	78.2122905027933	57.14285714285720	0.695658263305322	0.838709677419355	0.433333333333333	56.66666666666670	95.7983193277311	4.201680672268910	43.33333333333330
23	84.35754189944130	62.16216216216220	0.729529335912315	0.851851851851852	0.489361702127660	51.06382978723400	96.96969696969700	3.030303030303030	48.93617021276600
24	77.09497206703910	43.83561643835620	0.634161114476075	0.761904761904762	0.307692307692308	69.23076923076920	96.06299212598430	3.937007874015750	30.76923076923080
25	80.44692737430170	54.54545454545450	0.686208445642408	0.875	0.396226415094340	60.37735849056600	97.61904761904760	2.380952380952380	39.62264150943400
26	79.3296089385475	54.32098765432100	0.684785734828875	0.916666666666667	0.385964912280702	61.40350877192980	98.36065573770490	1.639344262295080	38.59649122807020
27	72.62569832402240	42.35294117647060	0.629689608636977	0.9	0.276923076923077	72.3076923076923	98.24561403508770	1.754385964912280	27.69230769230770
28	75.97765363128490	45.56962025316460	0.644209039548023	0.9	0.305084745762712	69.49152542372880	98.33333333333330	1.666666666666670	30.50847457627120
29	77.09497206703910	46.75324675324680	0.646666666666667	0.782608695652174	0.333333333333333	66.66666666666670	96.0	4.0	33.33333333333330
30	79.88826815642460	52.63157894736840	0.676559660811629	0.833333333333333	0.384615384615385	61.53846153846150	96.8503937007874	3.149606299212600	38.46153846153850
31	79.3296089385475	53.16455696202530	0.678444444444444	0.84	0.388888888888889	61.11111111111110	96.8	3.2	38.88888888888890
32	79.3296089385475	54.32098765432100	0.684233449477352	0.88	0.392857142857143	60.71428571428570	97.5609756097561	2.439024390243900	39.28571428571430
33	76.53631284916200	46.15384615384620	0.644454123112660	0.818181818181818	0.321428571428571	67.85714285714290	96.7479674796748	3.252032520325200	32.14285714285710
34	82.68156424581010	55.07246376811590	0.690283078880407	0.904761904761905	0.395833333333333	60.41666666666670	98.47328244274810	1.526717557251910	39.58333333333330
35	75.41899441340780	43.58974358974360	0.637464985994398	0.944444444444444	0.283333333333333	71.66666666666670	99.15966386554620	0.840336134453782	28.33333333333330
36	75.41899441340780	40.54054054054050	0.621733449477352	0.833333333333333	0.267857142857143	73.21428571428570	97.5609756097561	2.439024390243900	26.78571428571430
37	75.97765363128490	39.43661971830990	0.616202455825097	0.777777777777778	0.264150943396226	73.58490566037740	96.82539682539680	3.174603174603170	26.41509433962260
38	78.2122905027933	55.17241379310340	0.685830429732869	0.774193548387097	0.428571428571429	57.14285714285710	94.3089430894309	5.691056910569110	42.85714285714290
39	78.77094972067040	53.65853658536590	0.680687374173138	0.88	0.385964912280702	61.40350877192980	97.54098360655740	2.459016393442620	38.59649122807020
40	80.44692737430170	56.79012345679010	0.696962962962963	0.851851851851852	0.425925925925926	57.40740740740740	96.8	3.2	42.59259259259260
41	77.09497206703910	49.38271604938270	0.661158192090396	0.909090909090909	0.338983050847458	66.10169491525420	98.33333333333330	1.666666666666670	33.89830508474580
42	79.88826815642460	51.35135135135140	0.671824629271438	0.703703703703704	0.404255319148936	59.57446808510640	93.93939393939390	6.060606060606060	40.42553191489360
43	79.88826815642460	56.09756097560980	0.694915254237288	1.0	0.389830508474576	61.01694915254240	100.0	0.0	38.98305084745760
44	78.77094972067040	52.50000000000000	0.674364021804967	0.75	0.403846153846154	59.61538461538460	94.48818897637800	5.511811023622050	40.38461538461540
45	81.56424581005590	59.25925925925930	0.710222222222222	0.888888888888889	0.444444444444444	55.55555555555560	97.6	2.4	44.44444444444440
46	78.2122905027933	58.06451612903230	0.70012503473187	0.84375	0.442622950819672	55.73770491803280	95.76271186440680	4.23728813559322	44.26229508196720
47	74.86033519553070	48.27586206896550	0.652260821615660	0.84	0.338709677419355	66.12903225806450	96.58119658119660	3.418803418803420	33.87096774193550
48	79.88826815642460	50.0	0.664442700156986	0.782608695652174	0.367346938775510	63.26530612244900	96.15384615384620	3.846153846153850	36.73469387755100
49	79.88826815642460	53.84615384615390	0.682844574780059	0.913043478260870	0.381818181818182	61.81818181818180	98.38709677419360	1.612903225806450	38.18181818181820
50	79.3296089385475	55.42168674698800	0.688962962962963	0.793103448275862	0.425925925925926	57.40740740740740	95.20000000000000	4.8	42.59259259259260
51	77.09497206703910	45.33333333333330	0.639322916666667	0.708333333333333	0.333333333333333	66.66666666666670	94.53125	5.46875	33.33333333333330
52	78.77094972067040	50.00000000000000	0.665577816492451	0.95	0.339285714285714	66.07142857142860	99.1869918699187	0.813008130081301	33.92857142857140
53	81.56424581005590	49.23076923076920	0.662637008381689	0.888888888888889	0.340425531914894	65.95744680851060	98.48484848484850	1.515151515151520	34.04255319148940
54	77.09497206703910	48.10126582278480	0.652565982404692	0.791666666666667	0.345454545454545	65.45454545454550	95.96774193548390	4.032258064516130	34.54545454545460
55	77.09497206703910	40.57971014492750	0.622804360993337	0.823529411764706	0.269230769230769	73.07692307692310	97.63779527559060	2.362204724409450	26.92307692307690
56	77.6536312849162	45.94594594594600	0.645407407407407	0.85	0.314814814814815	68.51851851851850	97.6	2.4	31.48148148148150
57	75.97765363128490	53.76344086021510	0.675257015837733	0.78125	0.409836065573771	59.01639344262300	94.0677966101695	5.93220338983051	40.98360655737710
58	77.09497206703910	49.38271604938270	0.660017098888572	0.869565217391304	0.344827586206897	65.51724137931040	97.52066115702480	2.479338842975210	34.48275862068970
59	79.3296089385475	54.32098765432100	0.683703703703704	0.814814814814815	0.407407407407407	59.25925925925930	96.0	4.0	40.74074074074070
60	79.3296089385475	54.32098765432100	0.684233449477352	0.88	0.392857142857143	60.71428571428570	97.5609756097561	2.439024390243900	39.28571428571430
61	79.3296089385475	55.42168674698800	0.690011399259048	0.92	0.396551724137931	60.3448275862069	98.34710743801650	1.652892561983470	39.6551724137931
62	76.53631284916200	48.78048780487810	0.654181184668990	0.769230769230769	0.357142857142857	64.28571428571430	95.1219512195122	4.878048780487810	35.71428571428570
63	77.6536312849162	57.44680851063830	0.697894021739131	0.9	0.421875	57.8125	97.3913043478261	2.608695652173910	42.1875
64	78.77094972067040	58.69565217391300	0.706589673913044	0.964285714285714	0.421875	57.8125	99.1304347826087	0.869565217391304	42.1875
65	75.97765363128490	44.15584415584420	0.634384164222874	0.772727272727273	0.309090909090909	69.0909090909091	95.96774193548390	4.032258064516130	30.90909090909090
66	75.97765363128490	58.25242718446600	0.698065712771595	0.857142857142857	0.441176470588235	55.88235294117650	95.4954954954955	4.504504504504510	44.11764705882350
67	77.6536312849162	51.21951219512200	0.666444444444444	0.75	0.388888888888889	61.11111111111110	94.40000000000000	5.600000000000000	38.88888888888890
68	73.18435754189940	45.45454545454550	0.644789445628998	0.952380952380952	0.298507462686567	70.1492537313433	99.10714285714290	0.892857142857143	29.85074626865670
69	77.09497206703910	54.94505494505500	0.684518886131789	0.862068965517241	0.403225806451613	59.67741935483870	96.58119658119660	3.418803418803420	40.32258064516130
70	78.77094972067040	48.64864864864860	0.658666666666667	0.9	0.333333333333333	66.66666666666670	98.4	1.6	33.33333333333330
71	81.56424581005590	56.00000000000000	0.694049061175045	0.913043478260870	0.403846153846154	59.61538461538460	98.4251968503937	1.574803149606300	40.38461538461540
72	76.53631284916200	46.15384615384620	0.644454123112660	0.818181818181818	0.321428571428571	67.85714285714290	96.7479674796748	3.252032520325200	32.14285714285710
73	77.6536312849162	48.71794871794870	0.656598240469208	0.826086956521739	0.345454545454545	65.45454545454550	96.7741935483871	3.225806451612900	34.54545454545460
74	79.88826815642460	51.35135135135140	0.670800627943485	0.76	0.387755102040816	61.22448979591840	95.38461538461540	4.615384615384620	38.77551020408160
75	77.6536312849162	44.44444444444440	0.636744186046512	0.727272727272727	0.32	68.0	95.34883720930230	4.651162790697680	32.0
76	77.09497206703910	56.84210526315790	0.694534412955466	0.9	0.415384615384615	58.46153846153850	97.36842105263160	2.631578947368420	41.53846153846150
77	77.6536312849162	51.21951219512200	0.668637788543745	0.875	0.362068965517241	63.79310344827590	97.52066115702480	2.479338842975210	36.20689655172410
78	81.56424581005590	60.24096385542170	0.715199884958297	0.961538461538462	0.438596491228070	56.14035087719300	99.18032786885250	0.819672131147541	43.85964912280700
79	80.44692737430170	54.54545454545460	0.686876832844575	0.954545454545455	0.381818181818182	61.81818181818180	99.19354838709680	0.806451612903226	38.18181818181820
80	79.88826815642460	52.63157894736840	0.676559660811629	0.833333333333333	0.384615384615385	61.53846153846150	96.8503937007874	3.149606299212600	38.46153846153850
81	75.97765363128490	39.43661971830990	0.612087912087912	0.636363636363636	0.285714285714286	71.42857142857140	93.84615384615380	6.153846153846150	28.57142857142860
82	76.53631284916200	55.31914893617020	0.683053221288515	0.764705882352941	0.433333333333333	56.66666666666670	93.27731092436970	6.722689075630250	43.33333333333330
83	75.97765363128490	45.56962025316460	0.640389082462253	0.782608695652174	0.321428571428571	67.85714285714290	95.9349593495935	4.065040650406500	32.14285714285710
84	74.30167597765360	52.08333333333330	0.667270045588630	0.833333333333333	0.378787878787879	62.12121212121210	95.57522123893810	4.424778761061950	37.87878787878790
85	84.35754189944130	56.25	0.696268656716418	0.947368421052632	0.4	60.0	99.25373134328360	0.746268656716418	40.0
86	77.09497206703910	50.60240963855420	0.663718723037101	0.807692307692308	0.368421052631579	63.1578947368421	95.90163934426230	4.098360655737710	36.84210526315790
87	75.41899441340780	45.00000000000000	0.638643488173269	0.818181818181818	0.310344827586207	68.96551724137930	96.69421487603310	3.305785123966940	31.03448275862070
88	79.88826815642460	50.00000000000000	0.665843066786463	0.947368421052632	0.339622641509434	66.0377358490566	99.20634920634920	0.793650793650794	33.9622641509434
89	75.41899441340780	43.58974358974360	0.632729364394593	0.809523809523810	0.298245614035088	70.17543859649120	96.72131147540980	3.278688524590160	29.82456140350880
90	78.2122905027933	56.17977528089890	0.691031073446328	0.833333333333333	0.423728813559322	57.6271186440678	95.83333333333330	4.166666666666670	42.3728813559322
91	80.44692737430170	53.33333333333330	0.680453431372549	0.833333333333333	0.392156862745098	60.78431372549020	96.875	3.125	39.21568627450980
92	77.09497206703910	48.1012658227848	0.654371584699453	0.863636363636364	0.333333333333333	66.66666666666670	97.54098360655740	2.459016393442620	33.33333333333330
93	78.2122905027933	50.63291139240510	0.667241875179753	0.909090909090909	0.350877192982456	64.91228070175440	98.36065573770490	1.639344262295080	35.08771929824560
94	79.3296089385475	51.94805194805200	0.672640931372549	0.769230769230769	0.392156862745098	60.78431372549020	95.3125	4.6875	39.21568627450980
95	78.2122905027933	51.85185185185190	0.672770019948703	0.913043478260870	0.362068965517241	63.79310344827590	98.34710743801650	1.652892561983470	36.20689655172410
96	76.53631284916200	58.82352941176470	0.702570217276100	0.882352941176471	0.441176470588235	55.88235294117650	96.3963963963964	3.603603603603600	44.11764705882350
97	82.68156424581010	60.75949367088610	0.718222222222222	0.96	0.444444444444444	55.55555555555560	99.2	0.8	44.44444444444440
98	77.6536312849162	52.38095238095240	0.673940677966102	0.88	0.372881355932203	62.71186440677970	97.5	2.5	37.28813559322030
99	81.56424581005590	54.79452054794520	0.688370684433677	0.952380952380952	0.384615384615385	61.53846153846150	99.21259842519690	0.787401574803150	38.46153846153850
Mean	**78.46927374301680**	**51.5501936387342**	**0.671215100738811**	**0.8513198651512**	**0.371932185050901**	**62.8067814949099**	**97.0498016426721**	**2.95019835732786**	**37.1932185050901**
Standard Deviation	2.34803415920626	5.37578559697148	0.025869878392181	0.069958604485800	0.050240525992289	5.02405259922896	1.4803638384749	1.48036383847489	5.02405259922896
T Test Significance (Female to Male)	**0.000000000000835**	**0.000000000000000**	**0.000000000000134**	**0.366256016052956**	**0.000000000000000**	**0.000000000000000**	**0.000000000001057**	**0.000000000000000**	**0.000000000000000**

	B_M_Accuracy	B_M_FScore	B_M_ROC_AUC	B_M_Precision	B_M_Recall	B_M_FNR	B_M_TNR	B_M_FPR	B_M_TPR
0	71.50837988826820	68.32298136645960	0.731229528848576	0.873015873015873	0.561224489795918	43.87755102040820	90.12345679012350	9.876543209876540	56.12244897959180
1	69.83240223463690	67.07317073170730	0.704317897371715	0.785714285714286	0.585106382978723	41.48936170212770	82.35294117647060	17.64705882352940	58.51063829787230
2	73.74301675977650	70.44025157232710	0.754850088183422	0.918032786885246	0.571428571428571	42.85714285714290	93.82716049382720	6.172839506172840	57.14285714285710
3	71.50837988826820	70.17543859649120	0.735676088617265	0.869565217391304	0.588235294117647	41.17647058823530	88.31168831168830	11.68831168831170	58.82352941176470
4	69.27374301675980	67.83625730994150	0.703325774754346	0.794520547945205	0.591836734693878	40.81632653061220	81.48148148148150	18.51851851851850	59.18367346938780
5	70.94972067039110	68.29268292682930	0.723985890652557	0.848484848484849	0.571428571428571	42.85714285714290	87.65432098765430	12.34567901234570	57.14285714285710
6	69.27374301675980	66.25766871165640	0.710227272727273	0.84375	0.545454545454545	45.45454545454550	87.5	12.5	54.54545454545450
7	72.62569832402240	66.20689655172410	0.719929982495624	0.813559322033898	0.558139534883721	44.18604651162790	88.17204301075270	11.82795698924730	55.81395348837210
8	65.92178770949720	63.90532544378700	0.709222661396575	0.915254237288136	0.490909090909091	50.90909090909090	92.7536231884058	7.246376811594200	49.09090909090910
9	69.83240223463690	66.25	0.720696202531646	0.883333333333333	0.53	47.0	91.13924050632910	8.860759493670890	53.0
10	70.94972067039110	65.78947368421050	0.708676654182272	0.793650793650794	0.561797752808989	43.82022471910110	85.55555555555560	14.44444444444440	56.17977528089890
11	73.18435754189940	71.76470588235290	0.743323255228017	0.847222222222222	0.622448979591837	37.75510204081630	86.41975308641980	13.58024691358020	62.24489795918370
12	73.74301675977650	70.44025157232700	0.738077403245943	0.811594202898551	0.622222222222222	37.77777777777780	85.39325842696630	14.60674157303370	62.22222222222220
13	73.74301675977650	72.83236994219650	0.759772611139499	0.9	0.611650485436893	38.83495145631070	90.78947368421050	9.210526315789470	61.16504854368930
14	66.4804469273743	58.90410958904110	0.688523557571177	0.895833333333333	0.438775510204082	56.12244897959180	93.82716049382720	6.172839506172840	43.87755102040820
15	72.06703910614520	64.7887323943662	0.724338161838162	0.901960784313726	0.505494505494506	49.45054945054950	94.31818181818180	5.681818181818180	50.54945054945060
16	72.62569832402240	69.56521739130430	0.739879306009555	0.875	0.577319587628866	42.2680412371134	90.2439024390244	9.75609756097561	57.73195876288660
17	63.68715083798880	63.27683615819210	0.678722840487546	0.848484848484849	0.504504504504505	49.54954954954950	85.29411764705880	14.70588235294120	50.45045045045050
18	75.97765363128490	75.14450867052020	0.779666412019353	0.915492957746479	0.637254901960784	36.27450980392160	92.20779220779220	7.792207792207790	63.72549019607840
19	72.62569832402240	69.18238993710690	0.749683544303798	0.932203389830508	0.55	45.0	94.9367088607595	5.063291139240510	55.00000000000000
20	66.4804469273743	63.41463414634150	0.684050632911392	0.8125	0.52	48.0	84.81012658227850	15.18987341772150	52.0
21	70.94972067039110	67.08860759493670	0.733354430379747	0.913793103448276	0.53	47.0	93.67088607594940	6.329113924050630	53.0
22	79.88826815642460	78.31325301204820	0.808421184738956	0.928571428571429	0.677083333333333	32.29166666666670	93.97590361445780	6.024096385542170	67.70833333333330
23	70.39106145251400	71.03825136612020	0.730503390714658	0.866666666666667	0.601851851851852	39.81481481481480	85.91549295774650	14.08450704225350	60.18518518518520
24	73.18435754189940	71.08433734939760	0.741026606425703	0.842857142857143	0.614583333333333	38.54166666666670	86.74698795180720	13.25301204819280	61.45833333333330
25	73.74301675977650	70.44025157232710	0.742935733933483	0.848484848484849	0.602150537634409	39.78494623655910	88.37209302325580	11.62790697674420	60.21505376344090
26	62.01117318435750	58.0246913580247	0.656241956241956	0.824561403508772	0.447619047619048	55.23809523809520	86.48648648648650	13.51351351351350	44.76190476190480
27	72.06703910614520	69.87951807228920	0.726157697121402	0.805555555555556	0.617021276595745	38.29787234042550	83.52941176470590	16.47058823529410	61.70212765957450
28	76.53631284916200	72.36842105263160	0.768106893106893	0.901639344262295	0.604395604395604	39.56043956043960	93.18181818181820	6.818181818181820	60.43956043956040
29	68.71508379888270	64.1025641025641	0.69127936031984	0.78125	0.543478260869565	45.65217391304350	83.9080459770115	16.09195402298850	54.34782608695650
30	74.30167597765360	71.95121951219510	0.760479797979798	0.907692307692308	0.595959595959596	40.4040404040404	92.5	7.5	59.59595959595960
31	75.41899441340780	73.17073170731710	0.760325406758448	0.857142857142857	0.638297872340426	36.17021276595750	88.23529411764710	11.76470588235290	63.82978723404260
32	73.74301675977650	73.74301675977660	0.757307692307692	0.88	0.634615384615385	36.53846153846150	88.0	12.0	63.46153846153850
33	74.30167597765360	71.25000000000000	0.748312078019505	0.850746268656716	0.612903225806452	38.70967741935480	88.37209302325580	11.62790697674420	61.29032258064520
34	69.27374301675980	64.96815286624200	0.710821365583270	0.864406779661017	0.520408163265306	47.95918367346940	90.12345679012350	9.876543209876540	52.04081632653060
35	70.94972067039110	71.11111111111110	0.736565420560748	0.876712328767123	0.598130841121495	40.18691588785050	87.5	12.5	59.81308411214950
36	69.83240223463690	66.25	0.698938826466916	0.757142857142857	0.588888888888889	41.11111111111110	80.89887640449440	19.10112359550560	58.88888888888890
37	70.39106145251400	64.42953020134230	0.723032436509932	0.923076923076923	0.494845360824742	50.51546391752580	95.1219512195122	4.878048780487810	49.48453608247420
38	77.6536312849162	78.02197802197800	0.783585858585859	0.855421686746988	0.717171717171717	28.28282828282830	85.0	15.0	71.71717171717170
39	76.53631284916200	73.41772151898740	0.773216520650814	0.90625	0.617021276595745	38.29787234042550	92.94117647058820	7.058823529411760	61.70212765957450
40	68.15642458100560	66.27218934911240	0.706055186509964	0.848484848484849	0.543689320388350	45.63106796116510	86.8421052631579	13.15789473684210	54.36893203883500
41	69.27374301675980	65.40880503144650	0.696401799100450	0.776119402985075	0.565217391304348	43.47826086956520	82.75862068965520	17.24137931034480	56.52173913043480
42	72.06703910614520	70.23809523809520	0.730952979632889	0.830985915492958	0.608247422680412	39.17525773195880	85.36585365853660	14.63414634146340	60.82474226804120
43	67.0391061452514	66.66666666666670	0.718616737739872	0.907692307692308	0.526785714285714	47.32142857142860	91.04477611940300	8.955223880597010	52.67857142857140
44	69.83240223463690	69.66292134831460	0.730699008868023	0.885714285714286	0.574074074074074	42.59259259259260	88.73239436619720	11.26760563380280	57.40740740740740
45	72.06703910614520	70.93023255813950	0.746602564102564	0.897058823529412	0.586538461538462	41.34615384615390	90.66666666666670	9.333333333333330	58.65384615384620
46	69.83240223463690	68.23529411764700	0.722342871742463	0.865671641791045	0.563106796116505	43.68932038834950	88.1578947368421	11.84210526315790	56.31067961165050
47	66.4804469273743	60.52631578947370	0.674092615769712	0.793103448275862	0.489361702127660	51.06382978723400	85.88235294117650	14.11764705882350	48.93617021276600
48	77.09497206703910	76.0233918128655	0.778300702811245	0.866666666666667	0.677083333333333	32.29166666666670	87.95180722891570	12.04819277108430	67.70833333333330
49	68.71508379888270	66.26506024096390	0.702777777777778	0.820895522388060	0.555555555555556	44.44444444444440	85.0	15.0	55.55555555555560
50	70.39106145251400	64.90066225165560	0.708833083458271	0.830508474576271	0.532608695652174	46.73913043478260	88.50574712643680	11.49425287356320	53.2608695652174
51	73.18435754189940	73.03370786516850	0.749744506898314	0.866666666666667	0.631067961165049	36.89320388349520	86.8421052631579	13.15789473684210	63.10679611650490
52	65.36312849162010	64.77272727272730	0.676833976833977	0.802816901408451	0.542857142857143	45.71428571428570	81.08108108108110	18.91891891891890	54.28571428571430
53	77.09497206703910	76.0233918128655	0.784532828282828	0.902777777777778	0.656565656565657	34.34343434343430	91.25	8.75	65.65656565656570
54	73.74301675977650	71.8562874251497	0.750566893424036	0.869565217391304	0.612244897959184	38.77551020408160	88.88888888888890	11.11111111111110	61.22448979591840
55	72.06703910614520	67.94871794871800	0.731328320802005	0.868852459016393	0.557894736842105	44.21052631578950	90.47619047619050	9.523809523809520	55.78947368421050
56	67.59776536312850	65.0602409638554	0.709845559845560	0.885245901639344	0.514285714285714	48.57142857142860	90.54054054054050	9.45945945945946	51.42857142857140
57	69.83240223463690	65.38461538461540	0.706570713391740	0.822580645161290	0.542553191489362	45.74468085106380	87.05882352941180	12.94117647058820	54.25531914893620
58	71.50837988826820	69.8224852071006	0.737267634326458	0.880597014925373	0.578431372549020	42.15686274509800	89.6103896103896	10.38961038961040	57.84313725490200
59	73.74301675977650	70.80745341614910	0.746428571428572	0.863636363636364	0.6	40.0	89.28571428571430	10.71428571428570	60.0
60	74.30167597765360	69.73684210526320	0.745754245754246	0.868852459016393	0.582417582417583	41.75824175824180	90.9090909090909	9.090909090909090	58.24175824175830
61	69.83240223463690	64.47368421052630	0.715991953733970	0.890909090909091	0.505154639175258	49.48453608247420	92.6829268292683	7.317073170731710	50.51546391752580
62	72.62569832402240	71.00591715976330	0.743037974683544	0.869565217391304	0.6	40.0	88.60759493670890	11.39240506329110	60.0
63	69.83240223463690	66.66666666666670	0.722454937801472	0.885245901639344	0.534653465346535	46.53465346534650	91.02564102564100	8.974358974358970	53.46534653465350
64	69.83240223463690	66.25	0.707518796992481	0.815384615384615	0.557894736842105	44.21052631578950	85.71428571428570	14.28571428571430	55.78947368421050
65	70.39106145251400	70.39106145251400	0.711931818181818	0.7875	0.636363636363636	36.36363636363640	78.75	21.25	63.63636363636360
66	75.41899441340780	72.5	0.759502375593898	0.865671641791045	0.623655913978495	37.63440860215050	89.53488372093020	10.46511627906980	62.36559139784950
67	71.50837988826820	67.9245283018868	0.720555138784696	0.818181818181818	0.580645161290323	41.93548387096770	86.04651162790700	13.95348837209300	58.06451612903230
68	69.27374301675980	66.25766871165640	0.697299324831208	0.771428571428572	0.580645161290323	41.93548387096770	81.3953488372093	18.6046511627907	58.06451612903230
69	71.50837988826820	68.71165644171780	0.732828282828283	0.875	0.565656565656566	43.43434343434340	90.0	10.0	56.56565656565660
70	66.4804469273743	62.5	0.683775252525253	0.819672131147541	0.505050505050505	49.49494949494950	86.25	13.75000000000000	50.50505050505050
71	70.39106145251400	68.26347305389220	0.730646397547266	0.890625	0.553398058252427	44.66019417475730	90.78947368421050	9.210526315789470	55.33980582524270
72	68.71508379888270	66.26506024096390	0.691047761940485	0.753424657534247	0.591397849462366	40.86021505376340	79.06976744186050	20.93023255813950	59.13978494623660
73	75.97765363128490	73.61963190184050	0.768170426065163	0.882352941176471	0.631578947368421	36.84210526315790	90.47619047619050	9.523809523809520	63.1578947368421
74	74.30167597765360	71.60493827160490	0.741633366633367	0.783783783783784	0.659090909090909	34.09090909090910	82.41758241758240	17.58241758241760	65.9090909090909
75	71.50837988826820	69.82248520710060	0.731708860759494	0.855072463768116	0.59	41.0	87.34177215189870	12.65822784810130	59.0
76	71.50837988826820	68.32298136645960	0.728627105858688	0.859375	0.567010309278351	43.29896907216500	89.02439024390250	10.97560975609760	56.70103092783510
77	69.83240223463690	67.07317073170730	0.715277777777778	0.846153846153846	0.555555555555556	44.44444444444440	87.5	12.5	55.55555555555560
78	75.41899441340780	72.83950617283950	0.765122991967872	0.893939393939394	0.614583333333333	38.54166666666670	91.56626506024100	8.433734939759040	61.45833333333330
79	67.0391061452514	62.8930817610063	0.687200806248425	0.819672131147541	0.510204081632653	48.97959183673470	86.41975308641980	13.58024691358020	51.02040816326530
80	67.59776536312850	65.88235294117650	0.713071131879543	0.888888888888889	0.523364485981308	47.66355140186920	90.27777777777780	9.722222222222220	52.33644859813080
81	69.83240223463690	64.4736842105263	0.699188514357054	0.790322580645161	0.544444444444444	45.55555555555560	85.39325842696630	14.60674157303370	54.44444444444440
82	68.71508379888270	68.18181818181820	0.703208556149733	0.810810810810811	0.588235294117647	41.17647058823530	81.81818181818180	18.18181818181820	58.82352941176470
83	71.50837988826820	68.32298136645960	0.726217369477912	0.846153846153846	0.572916666666667	42.70833333333330	87.95180722891570	12.04819277108430	57.29166666666670
84	70.39106145251400	64.90066225165560	0.713579474342929	0.859649122807018	0.521276595744681	47.87234042553190	90.58823529411770	9.411764705882350	52.12765957446810
85	68.71508379888270	64.55696202531650	0.707575757575758	0.864406779661017	0.515151515151515	48.48484848484850	90.0	10.0	51.51515151515150
86	67.59776536312850	61.33333333333330	0.688533834586466	0.836363636363636	0.484210526315790	51.57894736842110	89.28571428571430	10.71428571428570	48.42105263157890
87	70.39106145251400	68.26347305389220	0.716742252456538	0.826086956521739	0.581632653061225	41.83673469387760	85.18518518518520	14.81481481481480	58.16326530612250
88	65.92178770949720	60.13071895424840	0.676137792305758	0.821428571428571	0.474226804123711	52.57731958762890	87.8048780487805	12.19512195121950	47.42268041237110
89	72.62569832402240	69.18238993710690	0.731745436359090	0.833333333333333	0.591397849462366	40.86021505376340	87.20930232558140	12.79069767441860	59.13978494623660
90	67.0391061452514	64.67065868263470	0.693277310924370	0.830769230769231	0.529411764705882	47.05882352941180	85.71428571428570	14.28571428571430	52.94117647058820
91	68.15642458100560	66.27218934911240	0.706055186509964	0.848484848484849	0.543689320388350	45.63106796116510	86.8421052631579	13.15789473684210	54.36893203883500
92	72.62569832402240	69.18238993710690	0.738265562248996	0.873015873015873	0.572916666666667	42.70833333333330	90.36144578313250	9.63855421686747	57.29166666666670
93	71.50837988826820	69.0909090909091	0.734367088607595	0.876923076923077	0.57	43.0	89.87341772151900	10.12658227848100	57.00000000000000
94	73.74301675977650	68.02721088435370	0.733008495752124	0.833333333333333	0.574712643678161	42.5287356321839	89.13043478260870	10.86956521739130	57.47126436781610
95	73.74301675977650	72.83236994219650	0.751708860759494	0.863013698630137	0.63	37.0	87.34177215189870	12.65822784810130	63.0
96	74.30167597765360	73.25581395348840	0.758037974683544	0.875	0.63	37.0	88.60759493670890	11.39240506329110	63.0
97	67.59776536312850	65.88235294117650	0.702564102564103	0.848484848484849	0.538461538461538	46.15384615384620	86.66666666666670	13.33333333333330	53.84615384615390
98	65.36312849162010	61.25000000000000	0.685232498722535	0.859649122807018	0.475728155339806	52.42718446601940	89.47368421052630	10.52631578947370	47.57281553398060
99	69.83240223463690	67.07317073170730	0.720995176440721	0.873015873015873	0.544554455445545	45.54455445544560	89.74358974358980	10.25641025641030	54.45544554455450
Mean	**71.03910614525140**	**68.20244316984530**	**0.725671807288817**	**0.853677298685055**	**0.570111141696765**	**42.9888858303236**	**88.12324728808690**	**11.8767527119131**	**57.0111141696765**
Standard Deviation	3.22221303096379	3.95787457394657	0.028178679396597	0.040466819351135	0.050881299021780	5.0881299021781	3.48014435618900	3.480144356189	5.0881299021781
T Test Significance (Female to Male)									

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Summary of Results for Experiment 3.1.3 - All Classifiers

	Random Forest Classifier			**Logistic Regression Classifier**			**Support Vector Machine**			**Gaussian Naive Bayes**		
	Mean	Standard Deviation	T Test Significance (Female to Male)	Mean	Standard Deviation	T Test Significance (Female to Male)	Mean	Standard Deviation	T Test Significance (Female to Male)	Mean	Standard Deviation	T Test Significance (Female to Male)
All Accuracy	76.88	2.68		70.34	2.31		70.24	2.36		71.56	2.60	
All FScore	75.65	2.94		65.88	2.86		64.00	3.24		64.57	3.62	
All ROC_AUC	76.92%	2.65%		70.35%	2.21%		70.38%	2.25%		71.67%	2.24%	
All Precision	80.32%	4.24%		77.38%	4.23%		81.75%	4.61%		86.07%	3.68%	
All Recall	71.72%	4.10%		57.56%	3.84%		52.77%	3.98%		51.86%	4.50%	
Females Accuracy	74.45	4.79	0.00	72.40	4.26	0.01	72.22	4.03	0.01	73.93	4.45	0.00
Females FScore	63.50	7.71	0.00	53.13	7.06	0.00	50.66	7.56	0.00	52.19	8.13	0.00
Females ROC_AUC	71.49%	5.08%	0.00	66.65%	3.92%	0.00	65.92%	3.96%	0.00	67.24%	4.06%	0.00
Females Precision	72.51%	9.58%	0.00	77.21%	8.66%	0.44	82.53%	9.80%	0.90	88.92%	7.98%	0.03
Females Recall	57.62%	10.12%	0.00	41.05%	7.62%	0.00	36.98%	7.22%	0.00	37.43%	7.92%	0.00
Females FNR	42.38	10.12	0.00	58.95	7.62	0.00	63.02	7.22	0.00	62.57	7.92	0.00
Females TNR	85.37	6.39	0.00	92.26	3.47	0.00	94.86	3.28	0.00	97.06	2.18	0.00
Females FPR	14.63	6.39	0.00	7.74	3.47	0.00	5.14	3.28	0.00	2.94	2.18	0.00
Females TPR	57.62	10.12	0.00	41.05	7.62	0.00	36.98	7.22	0.00	37.43	7.92	0.00
Males Accuracy	77.87	3.12		69.51	3.19		69.47	2.85		70.62	3.04	
Males FScore	78.87	3.14		68.92	3.34		67.16	3.36		67.48	3.98	
Males ROC_AUC	78.10%	3.19%		70.25%	3.15%		70.82%	2.67%		72.23%	2.73%	
Males Precision	82.37%	4.43%		77.45%	4.66%		81.66%	4.77%		85.51%	4.30%	
Males Recall	75.83%	3.85%		62.29%	4.25%		57.27%	4.47%		55.97%	5.15%	
Males FNR	24.17	3.85		37.71	4.25		42.73	4.47		44.03	5.15	
Males TNR	80.38	5.24		78.22	5.08		84.36	4.50		88.49	3.54	
Males FPR	19.62	5.24		21.78	5.08		15.64	4.50		11.51	3.54	
Males TPR	75.83	3.85		62.29	4.25		57.27	4.47		55.97	5.15	
	Random Forest Results			**Logistic Regression Results**			**Support Vector Machine Results**			**Gaussian Naive Bayes Results**		
Sex Performance Disparities (Male Mean - Female Mean, n=100)	Sex Performance Disparities (Male Mean - Female Mean, n=100)		**T Test P Value**	Sex Performance Disparities (Male Mean - Female Mean, n=100)		**T Test P Value**	Sex Performance Disparities (Male Mean - Female Mean, n=100)		**T Test P Value**	Sex Performance Disparities (Male Mean - Female Mean, n=100)		**T Test P Value**
Accuacy	**3.42**		0.00	**-2.90**		0.01	**-2.75**		0.01	**-3.31**		0.00
FScore	**15.36**		0.00	**15.79**		0.00	**16.50**		0.00	**15.29**		0.00
ROC_AUC	**6.61%**		0.00	**3.60%**		0.00	**4.90%**		0.00	**4.99%**		0.00
Precision	**9.85%**		0.00	**0.24%**		0.44	**-0.87%**		0.90	**-3.41%**		0.03
Recall	**18.21%**		0.00	**21.24%**		0.00	**20.30%**		0.00	**18.54%**		0.00
False Negative Rate	**-18.21**		0.00	**-21.24**		0.00	**-20.30**		0.00	**-18.54**		0.00
True Negative Rate	**-4.99**		0.00	**-14.04**		0.00	**-10.50**		0.00	**-8.57**		0.00
False Positive Rate	**4.99**		0.00	**14.04**		0.00	**10.50**		0.00	**8.57**		0.00
True Positive Rate	**18.21**		0.00	**21.24**		0.00	**20.30**		0.00	**18.54**		0.00

Experiment 3.1.3 (Unbalanced training data, with feature selection) - Random Forest Classifier

		UB_Accuracy	UB_FScore	UB_ROC_AUC	UB_Precision	UB_Recall
0		75.6	74.26160337552740	0.756	0.7857142857142860	0.704
1		81.2	79.82832618025750	0.81329620382818	0.8773584905660380	0.7322834645669290
2		73.6	72.5	0.7482531055900620	0.8529411764705880	0.6304347826086960
3		74.4	73.109243697479	0.7463002114164900	0.7981651376146790	0.6744186046511630
4		76.0	74.13793103448280	0.7594726062468000	0.7962962962962960	0.6935483870967740
5		75.2	73.04347826086960	0.7526881720430110	0.8076923076923080	0.6666666666666670
6		80.0	79.50819672131150	0.8038649203903440	0.8660714285714290	0.7348484848484850
7		78.8	76.01809954751130	0.7850919341405600	0.84	0.6942148760330580
8		76.0	74.57627118644070	0.7592983803853790	0.7787610619469030	0.7154471544715450
9		79.2	78.33333333333330	0.7934170081967210	0.8392857142857140	0.734375
10		80.4	80.32128514056230	0.8084791559444160	0.8695652173913040	0.746268656716418
11		74.8	71.74887892376680	0.7453071945672370	0.7843137254901960	0.6611570247933880
12		74.4	74.60317460317460	0.7445063745275160	0.7642276422764230	0.7286821705426360
13		76.0	75.80645161290320	0.7636398689030270	0.8173913043478260	0.706766917293233
14		74.0	69.19431279620850	0.7330184435447590	0.776595744680851	0.6239316239316240
15		77.60000000000000	76.27118644067800	0.7755928282244070	0.7563025210084030	0.7692307692307690
16		79.60000000000000	79.68127490039840	0.796	0.7936507936507940	0.8
17		76.8	76.42276422764230	0.7684527238973180	0.7899159663865550	0.7401574803149610
18		79.2	76.57657657657660	0.7884405670665210	0.8252427184466020	0.7142857142857140
19		80.80000000000000	80.48780487804880	0.8081797235023040	0.825	0.7857142857142860
20		80.4	76.99530516431920	0.7974781266083380	0.845360824742268	0.7068965517241380
21		72.8	69.36936936936940	0.7251585623678650	0.7623762376237620	0.6363636363636360
22		79.60000000000000	77.92207792207790	0.7949875168043020	0.8333333333333330	0.7317073170731710
23		76.4	75.7201646090535	0.7700077200205870	0.8440366972477070	0.6865671641791050
24		74.8	73.19148936170210	0.7468447690435010	0.7543859649122810	0.7107438016528930
25		84.8	84.16666666666670	0.8488573074707130	0.8938053097345130	0.7952755905511810
26		76.0	73.68421052631580	0.7576923076923080	0.7777777777777780	0.7
27		79.2	77.39130434782610	0.790249215196361	0.8165137614678900	0.7355371900826450
28		74.8	72.72727272727270	0.7469752256577690	0.7777777777777780	0.6829268292682930
29		79.60000000000000	79.68127490039840	0.7960189452124940	0.8	0.7936507936507940
30		77.60000000000000	75.22123893805310	0.7752816180235540	0.8333333333333330	0.6854838709677420
31		77.60000000000000	76.85950413223140	0.7812479917743080	0.8532110091743120	0.6992481203007520
32		73.6	73.6	0.7364241803278690	0.7540983606557380	0.71875
33		75.6	73.12775330396480	0.753319648470075	0.7685185185185190	0.6974789915966390
34		79.2	78.33333333333330	0.7923707117255510	0.8245614035087720	0.746031746031746
35		80.4	80.7843137254902	0.8041834838875010	0.8174603174603170	0.7984496124031010
36		77.2	78.65168539325840	0.7771257172665630	0.84	0.7394366197183100
37		74.8	73.41772151898740	0.7532742681047770	0.8285714285714290	0.6590909090909090
38		78.4	75.45454545454550	0.7797252182845400	0.8137254901960780	0.7033898305084750
39		78.0	76.39484978540770	0.7820824795081970	0.8476190476190480	0.6953125
40		76.8	76.22950819672130	0.7678662909836070	0.7622950819672130	0.7622950819672130
41		75.2	75.2	0.7520481310803890	0.7580645161290320	0.746031746031746
42		76.4	75.72016460905350	0.7638248847926270	0.773109243697479	0.7419354838709680
43		75.6	75.50200803212850	0.7569030687423920	0.7833333333333330	0.7286821705426360
44		74.0	74.10358565737050	0.74	0.7380952380952380	0.744
45		79.2	76.99115044247790	0.7906664106011140	0.8446601941747570	0.7073170731707320
46		74.8	72.4890829694323	0.7456343091936310	0.7477477477477480	0.7033898305084750
47		76.4	75.31380753138080	0.7634615384615390	0.7563025210084030	0.75
48		72.40000000000000	74.34944237918220	0.7281550225475460	0.7936507936507940	0.6993006993006990
49		81.6	82.30769230769230	0.8197144887281180	0.8699186991869920	0.781021897810219
50		72.8	69.91150442477880	0.7356831022085260	0.8404255319148940	0.5984848484848490
51		76.4	75.31380753138080	0.768875192604006	0.8411214953271030	0.6818181818181820
52		81.6	79.82456140350880	0.8167562724014340	0.8921568627450980	0.7222222222222220
53		78.4	76.10619469026550	0.7814102564102570	0.8113207547169810	0.7166666666666670
54		73.2	72.65306122448980	0.7354262968669750	0.7876106194690270	0.6742424242424240
55		68.8	68.0327868852459	0.6877920747711410	0.6859504132231410	0.6747967479674800
56		78.4	76.52173913043480	0.783410138248848	0.8301886792452830	0.7096774193548390
57		74.4	74.8031496062992	0.7449483610237990	0.7723577235772360	0.7251908396946570
58		77.2	75.10917030567680	0.7699433865156970	0.7610619469026550	0.7413793103448280
59		78.8	76.65198237885460	0.78539354673167	0.8055555555555560	0.7310924369747900
60		78.8	78.00829875518670	0.7887779271493500	0.8245614035087720	0.7401574803149610
61		74.8	74.07407407407410	0.7477434223161130	0.75	0.7317073170731710
62		79.60000000000000	77.5330396475771	0.7938689217758990	0.8301886792452830	0.7272727272727270
63		75.6	74.8971193415638	0.7562724014336920	0.7777777777777780	0.7222222222222220
64		78.8	78.18930041152260	0.7903846153846160	0.8407079646017700	0.7307692307692310
65		78.0	78.43137254901960	0.7834138486312400	0.8333333333333330	0.7407407407407410
66		70.8	70.68273092369480	0.708974358974359	0.6821705426356590	0.7333333333333330
67		78.8	77.82426778242680	0.7874975993854430	0.8017241379310350	0.7560975609756100
68		73.6	73.17073170731710	0.7360399590163940	0.7258064516129030	0.7377049180327870
69		77.2	75.32467532467530	0.7701263711591510	0.7767857142857140	0.7310924369747900
70		78.8	78.00829875518670	0.7877624167946750	0.8034188034188040	0.7580645161290320
71		74.8	71.74887892376680	0.7442595459236330	0.7339449541284400	0.7017543859649120
72		74.8	73.19148936170210	0.7485279057859700	0.7889908256880730	0.6825396825396830
73		78.0	77.17842323651450	0.7804314329738060	0.7560975609756100	0.788135593220339
74		76.4	76.11336032388670	0.7643876832469110	0.7833333333333330	0.7401574803149610
75		80.0	77.27272727272730	0.7982843607963640	0.8762886597938140	0.6910569105691060
76		71.6	70.53941908713690	0.7185897435897440	0.7657657657657660	0.6538461538461540
77		77.2	76.15062761506280	0.7750000000000000	0.8348623853211010	0.7
78		72.40000000000000	72.28915662650600	0.724	0.7258064516129030	0.72
79		76.8	75.42372881355930	0.768	0.8018018018018020	0.712
80		77.60000000000000	75.65217391304350	0.777479034632866	0.8446601941747570	0.6850393700787400
81		76.4	74.235807860262	0.7618589743589740	0.7798165137614680	0.7083333333333330
82		77.60000000000000	77.04918032786880	0.7789466931810890	0.831858407079646	0.7175572519083970
83		78.8	75.34883720930230	0.7850922131147540	0.8709677419354840	0.6639344262295080
84		76.4	75.31380753138070	0.7738648090815270	0.8737864077669900	0.6617647058823530
85		76.4	76.6798418972332	0.7641521516393440	0.776	0.7578125
86		79.2	78.33333333333330	0.7928429677997570	0.831858407079646	0.7401574803149610
87		70.8	66.9683257918552	0.7124415401371010	0.8043478260869570	0.5736434108527130
88		78.0	77.55102040816330	0.7802099334357400	0.7983193277310930	0.753968253968254
89		79.2	76.57657657657660	0.7881997945557270	0.8173076923076920	0.7203389830508470
90		76.4	75.10548523206750	0.764	0.7946428571428570	0.712
91		76.0	76.56250000000000	0.7602564102564100	0.7777777777777780	0.7538461538461540
92		73.6	72.26890756302520	0.7354202675885030	0.7478260869565220	0.6991869918699190
93		78.0	75.77092511013220	0.7778525209814850	0.8113207547169810	0.7107438016528930
94		78.4	78.74015748031500	0.7861962598804700	0.8264462809917360	0.7518796992481200
95		76.8	76.03305785123970	0.7683051715309780	0.7931034482758620	0.7301587301587300
96		78.0	74.4186046511628	0.7742111689480110	0.8163265306122450	0.6837606837606840
97		77.2	76.92307692307690	0.7720056334421610	0.7661290322580650	0.7723577235772360
98		79.60000000000000	78.83817427385890	0.7956276806862560	0.8050847457627120	0.7723577235772360
99		80.0	78.63247863247860	0.800563236047107	0.8518518518518520	0.7301587301587300
	Mean	**76.9**	**75.653126674233**	**0.769183861844112**	**0.8031868350920230**	**0.717159708636661**
	Standard Deviation	2.7	2.941149535929	0.0265223004814519	0.0423565125883110	0.0409891625029152
	T Test Significance (Female to Male)					

		UB_F_Accuracy	UB_F_FScore	UB_F_ROC_AUC	UB_F_Precision	UB_F_Recall	UB_F_FNR	UB_F_TNR	UB_F_FPR	UB_F_TPR
0		75.36231884057970	71.18644067796610	0.74660441426146	0.75	0.6774193548387100	32.25806451612900	81.57894736842110	18.421052631578900	67.74193548387100
1		79.71014492753620	65.0	0.7383720930232560	0.9285714285714290	0.5	50.0	97.67441860465120	2.3255813953488400	50.0
2		73.17073170731710	57.692307692307700	0.686456400742115	0.7894736842105260	0.45454545454545500	54.54545454545450	91.83673469387760	8.16326530612245	45.45454545454550
3		67.64705882352940	50.0	0.6339285714285710	0.6875	0.39285714285714300	60.71428571428570	87.5	12.5	39.285714285714300
4		80.82191780821920	76.66666666666670	0.7984848484848490	0.8518518518518520	0.696969696969697	30.303030303030300	90.0	10.0	69.6969696969697
5		72.15189873417720	59.25925925925930	0.6861702127659580	0.7272727272727270	0.5	50.0	87.2340425531915	12.76595744680850	50.0
6		76.81159420289860	71.42857142857140	0.7613636363636360	0.8695652173913040	0.6060606060606060	39.39393939393940	91.66666666666670	8.333333333333330	60.60606060606060
7		74.35897435897440	56.52173913043480	0.6833216045038710	0.7647058823529410	0.4482758620689660	55.172413793103400	91.83673469387760	8.16326530612245	44.827586206896600
8		80.0	68.29268292682930	0.765151515151515	0.7	0.6666666666666670	33.33333333333330	86.36363636363640	13.636363636363600	66.66666666666670
9		72.0	60.377358490566000	0.6899696048632220	0.64	0.5714285714285710	42.857142857142900	80.85106382978720	19.148936170212800	57.14285714285710
10		79.22077922077920	73.33333333333330	0.7765151515151510	0.8148148148148150	0.6666666666666670	33.33333333333330	88.63636363636360	11.363636363636400	66.66666666666670
11		68.42105263157900	47.826086956521700	0.6220710506424790	0.5789473684210530	0.4074074074074070	59.25925925925930	83.6734693877551	16.3265306122449	40.74074074074070
12		70.83333333333330	61.81818181818180	0.6888276947285600	0.7083333333333330	0.5483870967741940	45.16129032258060	82.92682926829270	17.073170731707300	54.83870967741940
13		75.75757575757580	69.23076923076920	0.7424812030075190	0.75	0.6428571428571430	35.714285714285700	84.21052631578950	15.789473684210500	64.28571428571430
14		70.76923076923080	48.648648648648600	0.638719512195122	0.6923076923076920	0.375	62.5	90.2439024390244	9.75609756097561	37.5
15		84.61538461538460	78.26086956521740	0.839323467230444	0.75	0.8181818181818180	18.181818181818200	86.04651162790700	13.953488372093000	81.81818181818180
16		84.05797101449280	74.4186046511628	0.8043478260869570	0.8	0.6956521739130440	30.434782608695700	91.30434782608700	8.695652173913040	69.56521739130430
17		77.33333333333330	75.36231884057970	0.7745376955903270	0.8387096774193550	0.6842105263157900	31.57894736842110	86.48648648648650	13.513513513513500	68.42105263157900
18		73.13432835820900	57.14285714285710	0.6804761904761910	0.7058823529411770	0.48	52.0	88.09523809523810	11.904761904761900	48.0
19		80.0	71.69811320754720	0.7722222222222220	0.8260869565217390	0.6333333333333330	36.666666666666700	91.11111111111110	8.88888888888889	63.33333333333330
20		78.2051282051282	54.05405405405410	0.6810276679841900	0.7142857142857140	0.43478260869565200	56.52173913043480	92.72727272727270	7.2727272727272700	43.47826086956520
21		72.85714285714290	48.648648648648600	0.6550387596899220	0.9	0.3333333333333330	66.66666666666670	97.67441860465120	2.3255813953488400	33.33333333333330
22		75.67567567567570	60.8695652173913	0.7067307692307690	0.7	0.5384615384615380	46.15384615384620	87.5	12.5	53.84615384615390
23		73.23943661971830	65.45454545454550	0.7241653418124010	0.8571428571428570	0.5294117647058820	47.05882352941180	91.8918918918919	8.108108108108110	52.94117647058820
24		80.0	72.34042553191490	0.7756410256410260	0.8095238095238100	0.6538461538461540	34.61538461538460	89.74358974358980	10.256410256410300	65.38461538461540
25		90.41095890410960	84.44444444444440	0.8695833333333330	0.95	0.76	24.0	97.91666666666670	2.083333333333330	76.0
26		80.59701492537310	68.29268292682930	0.7567829457364340	0.8235294117647060	0.5833333333333330	41.66666666666670	93.02325581395350	6.976744186046510	58.333333333333300
27		76.05633802816900	60.46511627906980	0.7070035460992910	0.6842105263157900	0.5416666666666670	45.83333333333330	87.2340425531915	12.76595744680850	54.166666666666700
28		73.61111111111110	62.7450980392157	0.7074074074074070	0.6666666666666670	0.5925925925925930	40.74074074074070	82.22222222222220	17.77777777777780	59.25925925925930
29		78.33333333333330	71.1111111111111	0.771531100478469	0.6956521739130440	0.7272727272727270	27.27272727272730	81.57894736842110	18.421052631578900	72.72727272727270
30		75.0	57.777777777777800	0.6900000000000000	0.6842105263157900	0.5	50.0	88.0	12.0	50.0
31		73.23943661971830	68.85245901639350	0.7277424483306840	0.7777777777777780	0.6176470588235290	38.23529411764710	83.78378378378380	16.216216216216200	61.76470588235290
32		76.92307692307690	67.85714285714290	0.7459535538353270	0.7037037037037040	0.6551724137931030	34.48275862068970	83.6734693877551	16.3265306122449	65.51724137931040
33		66.66666666666670	44.89795918367350	0.602088948787062	0.5238095238095240	0.39285714285714300	60.71428571428570	81.13207547169810	18.867924528301900	39.285714285714300
34		72.15189873417720	64.51612903225810	0.7052287581699350	0.7142857142857140	0.5882352941176470	41.17647058823530	82.22222222222220	17.77777777777780	58.82352941176470
35		76.66666666666670	75.0	0.765625	0.75	0.75	25.0	78.125	21.875	75.0
36		73.97260273972600	65.45454545454550	0.7214285714285710	0.6666666666666670	0.6428571428571430	35.714285714285700	80.0	20.0	64.28571428571430
37		72.36842105263160	64.40677966101700	0.7236842105263160	0.9047619047619050	0.5	50.0	94.73684210526320	5.263157894736840	50.0
38		71.83098591549300	52.38095238095240	0.6615448504983390	0.7857142857142860	0.39285714285714300	60.71428571428570	93.02325581395350	6.976744186046510	39.285714285714300
39		73.13432835820900	62.500000000000000	0.7037545787545790	0.75	0.5357142857142860	46.42857142857140	87.17948717948720	12.82051282051280	53.57142857142860
40		82.1917808219178	71.1111111111111	0.7878260869565220	0.7272727272727270	0.6956521739130440	30.434782608695700	88.0	12.0	69.56521739130430
41		75.71428571428570	71.18644067796610	0.7559523809523810	0.6774193548387100	0.75	25.0	76.19047619047620	23.809523809523800	75.0
42		70.76923076923080	61.22448979591840	0.7013742071881610	0.5555555555555560	0.6818181818181820	31.818181818181800	72.09302325581400	27.906976744186000	68.18181818181820
43		70.4225352112676	64.40677966101690	0.6943108974358980	0.7037037037037040	0.59375	40.625	79.48717948717950	20.51282051282050	59.375
44		74.4186046511628	63.33333333333330	0.7223230490018150	0.6129032258064520	0.6551724137931030	34.48275862068970	78.94736842105260	21.052631578947400	65.51724137931040
45		77.27272727272730	66.66666666666670	0.7384615384615390	0.7894736842105260	0.5769230769230770	42.30769230769230	90.0	10.0	57.692307692307700
46		73.5632183908046	62.295081967213100	0.7039400665926750	0.7037037037037040	0.5588235294117650	44.11764705882350	84.90566037735850	15.09433962264150	55.88235294117650
47		75.67567567567570	62.500000000000000	0.7280477408354650	0.6	0.6521739130434780	34.78260869565220	80.3921568627451	19.607843137254900	65.21739130434780
48		69.11764705882350	63.1578947368421	0.6815789473684210	0.6666666666666670	0.6	40.0	76.31578947368420	23.684210526315800	60.0
49		79.71014492753620	78.7878787878788	0.7966386554621850	0.8125	0.7647058823529410	23.52941176470590	82.85714285714290	17.142857142857100	76.47058823529410
50		64.0	50.909090909090900	0.6365576102418210	0.7777777777777780	0.3783783783783780	62.16216216216220	89.47368421052630	10.526315789473700	37.83783783783780
51		67.10526315789470	52.83018867924530	0.642353770260747	0.7	0.42424242424242400	57.57575757575760	86.04651162790700	13.953488372093000	42.42424242424240
52		78.37837837837840	65.21739130434780	0.7386363636363640	0.9375	0.5	50.0	97.72727272727270	2.272727272727270	50.0
53		69.41176470588240	58.06451612903230	0.6671428571428570	0.6666666666666670	0.5142857142857140	48.57142857142860	82.0	18.0	51.42857142857140
54		73.33333333333330	68.75	0.7259684361549500	0.7333333333333330	0.6470588235294120	35.294117647058800	80.48780487804880	19.51219512195120	64.70588235294120
55		66.12903225806450	57.14285714285710	0.644973544973545	0.6363636363636360	0.5185185185185190	48.148148148148100	77.14285714285720	22.857142857142900	51.85185185185190
56		75.0	60.46511627906980	0.7041553748870820	0.8125	0.48148148148148100	51.85185185185190	92.6829268292683	7.317073170731710	48.148148148148100
57		68.75	62.96296296296300	0.6803921568627450	0.7083333333333330	0.5666666666666670	43.333333333333300	79.41176470588240	20.588235294117600	56.666666666666700
58		74.28571428571430	66.66666666666670	0.7249789739276700	0.72	0.6206896551724140	37.93103448275860	82.92682926829270	17.073170731707300	62.06896551724140
59		73.61111111111110	61.22448979591840	0.7	0.6818181818181820	0.5555555555555560	44.44444444444440	84.44444444444440	15.555555555555600	55.55555555555560
60		77.92207792207790	70.17543859649120	0.7573632538569420	0.7692307692307690	0.6451612903225810	35.483870967741900	86.95652173913040	13.043478260869600	64.51612903225810
61		70.49180327868850	60.86956521739130	0.6899766899766900	0.5833333333333330	0.6363636363636360	36.36363636363640	74.35897435897440	25.64102564102560	63.63636363636360
62		76.71232876712330	62.22222222222220	0.7157809983896940	0.7777777777777780	0.5185185185185190	48.148148148148100	91.30434782608700	8.695652173913040	51.85185185185190
63		78.75	73.015873015873	0.7730158730158730	0.8214285714285710	0.6571428571428570	34.285714285714300	88.88888888888890	11.11111111111110	65.71428571428570
64		78.08219178082190	66.66666666666670	0.7417711598746080	0.8421052631578950	0.5517241379310350	44.827586206896600	93.18181818181820	6.8181818181818200	55.172413793103400
65		67.6923076923077	57.14285714285710	0.6539961013645230	0.6363636363636360	0.5185185185185190	48.148148148148100	78.94736842105260	21.052631578947400	51.85185185185190
66		70.0	61.81818181818180	0.6955555555555560	0.5666666666666670	0.68	32.0	71.11111111111110	28.888888888888900	68.0
67		77.02702702702700	67.9245283018868	0.7482269503546100	0.6923076923076920	0.6666666666666670	33.33333333333330	82.97872340425530	17.02127659574470	66.66666666666670
68		75.0	65.38461538461540	0.7240259740259740	0.7083333333333330	0.6071428571428570	39.285714285714300	84.0909090909091	15.909090909090900	60.71428571428570
69		77.27272727272730	66.66666666666670	0.7384615384615390	0.7894736842105260	0.5769230769230770	42.30769230769230	90.0	10.0	57.692307692307700
70		72.72727272727270	55.00000000000000	0.6696428571428570	0.6875	0.4583333333333330	54.166666666666700	88.09523809523810	11.904761904761900	45.83333333333330
71		68.91891891891890	59.64912280701750	0.6708812260536400	0.6071428571428570	0.5862068965517240	41.37931034482760	75.55555555555560	24.44444444444440	58.620689655172400
72		75.71428571428570	66.66666666666670	0.7357320099255580	0.85	0.5483870967741940	45.16129032258060	92.3076923076923	7.6923076923076900	54.83870967741940
73		76.92307692307690	71.69811320754720	0.7597465886939570	0.7307692307692310	0.7037037037037040	29.629629629629600	81.57894736842110	18.421052631578900	70.37037037037040
74		72.6027397260274	62.96296296296300	0.7035714285714290	0.6538461538461540	0.6071428571428570	39.285714285714300	80.0	20.0	60.71428571428570
75		80.51948051948050	70.58823529411760	0.7680851063829790	0.8571428571428570	0.6	40.0	93.61702127659580	6.382978723404260	60.0
76		61.64383561643840	50.0	0.5948540706605220	0.56	0.45161290322580600	54.83870967741940	73.80952380952380	26.190476190476200	45.16129032258060
77		67.90123456790120	55.172413793103400	0.6524844720496890	0.6956521739130440	0.45714285714285700	54.285714285714300	84.78260869565220	15.217391304347800	45.714285714285700
78		67.16417910447760	65.625	0.6743243243243240	0.6176470588235290	0.7	30.0	64.86486486486490	35.13513513513510	70.0
79		72.05882352941180	53.65853658536590	0.661860465116279	0.6875	0.44	56.00000000000000	88.37209302325580	11.627906976744200	44.0
80		71.05263157894740	50.0	0.6426282051282050	0.55	0.4583333333333330	54.166666666666700	82.6923076923077	17.307692307692300	45.83333333333330
81		77.63157894736840	60.46511627906980	0.7165709598031170	0.65	0.5652173913043480	43.47826086956520	86.79245283018870	13.20754716981130	56.52173913043480
82		80.0	73.33333333333330	0.7800511508951410	0.8461538461538460	0.6470588235294120	35.294117647058800	91.30434782608700	8.695652173913040	64.70588235294120
83		81.94444444444440	68.29268292682930	0.7604166666666670	0.8235294117647060	0.5833333333333330	41.66666666666670	93.75	6.25	58.333333333333300
84		77.77777777777780	66.66666666666670	0.7434292866082600	0.9	0.5294117647058820	47.05882352941180	95.74468085106380	4.25531914893617	52.94117647058820
85		71.21212121212120	55.81395348837210	0.6746031746031750	0.5454545454545450	0.5714285714285710	42.857142857142900	77.77777777777780	22.22222222222220	57.14285714285710
86		75.0	63.63636363636360	0.7165991902834010	0.7777777777777780	0.5384615384615380	46.15384615384620	89.47368421052630	10.526315789473700	53.84615384615390
87		74.66666666666670	62.745098039215700	0.711111111111111	0.7619047619047620	0.5333333333333330	46.666666666666700	88.88888888888890	11.11111111111110	53.333333333333300
88		72.97297297297300	61.53846153846150	0.7077551020408160	0.5925925925925930	0.64	36.0	77.55102040816330	22.448979591836700	64.0
89		73.91304347826090	59.09090909090910	0.6918604651162790	0.7222222222222220	0.5	50.0	88.37209302325580	11.627906976744200	50.0
90		70.83333333333330	60.377358490566000	0.6833333333333330	0.6956521739130440	0.5333333333333330	46.666666666666700	83.33333333333330	16.666666666666700	53.333333333333300
91		74.64788732394370	66.66666666666670	0.7404347826086960	0.6206896551724140	0.72	28.000000000000000	76.08695652173910	23.91304347826090	72.0
92		63.23529411764710	44.44444444444450	0.5837209302325580	0.5	0.4	60.0	76.74418604651160	23.25581395348840	40.0
93		70.4225352112676	60.377358490566000	0.6813008130081300	0.6956521739130440	0.5333333333333330	46.666666666666700	82.92682926829270	17.073170731707300	53.333333333333300
94		72.85714285714290	65.45454545454550	0.7125	0.72	0.6	40.0	82.5	17.5	60.0
95		78.78787878787880	69.56521739130430	0.7590243902439030	0.7619047619047620	0.64	36.0	87.8048780487805	12.195121951219500	64.0
96		73.4375	60.46511627906980	0.6958333333333330	0.6842105263157900	0.5416666666666670	45.83333333333330	85.0	15.0	54.166666666666700
97		76.0	66.66666666666670	0.7395833333333330	0.6666666666666670	0.6666666666666670	33.33333333333330	81.25	18.75	66.66666666666670
98		82.08955223880600	70.0	0.7789855072463770	0.7368421052631580	0.6666666666666670	33.33333333333330	89.13043478260870	10.869565217391300	66.66666666666670
99		75.30864197530870	66.66666666666670	0.7352941176470590	0.6666666666666670	0.6666666666666670	33.33333333333330	80.3921568627451	19.607843137254900	66.66666666666670
	Mean	**74.44893613509040**	**63.5031149524489**	**0.714913128884105**	**0.725115967482427**	**0.576174597400665**	**42.3825402599335**	**85.3651660367544**	**14.6348339632456**	**57.6174597400665**
	Standard Deviation	4.79004295506506	7.71175988443235	0.050824722964194	0.0957551704202577	0.101211995116463	10.1211995116463	6.3941320252981	6.39413202529809	10.1211995116463
	T Test Significance (Female to Male)	**0.0000087924095343**	**0.000000000000000000**	**0.00000000000001429**	**0.00000000000013797**	**0.000000000000000000**	**0.000000000000000000**	**0.0002556167457358**	**0.0000000038005542**	**0.000000000000000000**

		UB_M_Accuracy	UB_M_FScore	UB_M_ROC_AUC	UB_M_Precision	UB_M_Recall	UB_M_FNR	UB_M_TNR	UB_M_FPR	UB_M_TPR
0		75.69060773480660	75.28089887640450	0.758681829298117	0.7976190476190480	0.7127659574468090	28.723404255319200	80.45977011494250	19.54022988505750	71.27659574468090
1		81.76795580110500	82.90155440414510	0.821039603960396	0.8695652173913040	0.7920792079207920	20.792079207920800	85.0	15.0	79.20792079207920
2		73.80952380952380	76.59574468085110	0.7555555555555560	0.8674698795180720	0.6857142857142860	31.428571428571400	82.53968253968250	17.46031746031750	68.57142857142860
3		76.92307692307690	78.35051546391750	0.771299352157438	0.8172043010752690	0.7524752475247530	24.752475247524800	79.01234567901230	20.98765432098770	75.24752475247520
4		74.01129943502830	73.25581395348840	0.7415026833631480	0.7777777777777780	0.6923076923076920	30.76923076923080	79.06976744186050	20.930232558139500	69.23076923076920
5		76.60818713450290	77.27272727272730	0.7707930367504840	0.8292682926829270	0.723404255319149	27.659574468085100	81.81818181818180	18.181818181818200	72.3404255319149
6		81.21546961325970	81.91489361702130	0.8157181571815720	0.8651685393258430	0.7777777777777780	22.22222222222220	85.36585365853660	14.634146341463400	77.77777777777780
7		80.81395348837210	81.14285714285710	0.8108695652173910	0.8554216867469880	0.7717391304347830	22.82608695652170	85.0	15.0	77.17391304347830
8		74.5945945945946	75.89743589743590	0.7482872667139150	0.7956989247311830	0.7254901960784310	27.450980392156900	77.10843373493980	22.89156626506020	72.54901960784310
9		82.28571428571430	83.42245989304810	0.83	0.896551724137931	0.78	22.0	88.0	12.0	78.0
10		80.92485549132950	82.53968253968250	0.8166941694169420	0.8863636363636360	0.7722772277227720	22.772277227722800	86.11111111111110	13.88888888888890	77.22772277227720
11		77.58620689655170	77.96610169491530	0.7795212765957450	0.8313253012048190	0.7340425531914890	26.595744680851100	82.5	17.5	73.40425531914890
12		75.84269662921350	78.1725888324873	0.7553571428571430	0.7777777777777780	0.7857142857142860	21.428571428571400	72.5	27.500000000000000	78.57142857142860
13		76.08695652173910	77.55102040816330	0.7669680530440030	0.8351648351648350	0.7238095238095240	27.61904761904760	81.0126582278481	18.9873417721519	72.38095238095240
14		75.13513513513510	73.5632183908046	0.7516947171575500	0.7901234567901230	0.6881720430107530	31.182795698924700	81.52173913043480	18.478260869565200	68.81720430107530
15		75.13513513513510	75.78947368421050	0.7511695906432750	0.7578947368421050	0.7578947368421050	24.210526315789500	74.44444444444440	25.555555555555600	75.78947368421050
16		77.90055248618790	80.76923076923080	0.772524199553239	0.7924528301886790	0.8235294117647060	17.647058823529400	72.15189873417720	27.848101265822800	82.35294117647060
17		76.57142857142860	76.8361581920904	0.7657434021426710	0.7727272727272730	0.7640449438202250	23.595505617977500	76.74418604651160	23.25581395348840	76.40449438202250
18		81.4207650273224	81.11111111111110	0.815264164475257	0.8488372093023260	0.776595744680851	22.340425531914900	85.39325842696630	14.606741573033700	77.6595744680851
19		81.14285714285710	82.90155440414510	0.8090717299578060	0.8247422680412370	0.8333333333333330	16.666666666666700	78.48101265822780	21.518987341772200	83.33333333333330
20		81.3953488372093	81.81818181818180	0.8174765210289910	0.8674698795180720	0.7741935483870970	22.58064516129030	86.07594936708860	13.924050632911400	77.41935483870970
21		72.77777777777780	73.51351351351350	0.7279811974270160	0.7472527472527470	0.723404255319149	27.659574468085100	73.25581395348840	26.744186046511600	72.3404255319149
22		81.25	82.16216216216220	0.81580321023098	0.8636363636363640	0.7835051546391750	21.649484536082500	84.81012658227850	15.18987341772150	78.35051546391750
23		77.6536312849162	78.72340425531920	0.7813924050632910	0.8409090909090910	0.74	26.0	82.27848101265820	17.72151898734180	74.0
24		72.97297297297300	73.40425531914890	0.7298245614035090	0.7419354838709680	0.7263157894736840	27.368421052631600	73.33333333333330	26.666666666666700	72.63157894736840
25		82.48587570621470	84.1025641025641	0.828627450980392	0.8817204301075270	0.803921568627451	19.607843137254900	85.33333333333330	14.666666666666700	80.3921568627451
26		74.31693989071040	74.8663101604278	0.7438936781609190	0.7692307692307690	0.7291666666666670	27.083333333333300	75.86206896551720	24.137931034482800	72.91666666666670
27		80.44692737430170	81.28342245989310	0.8063867236610510	0.8444444444444440	0.7835051546391750	21.649484536082500	82.92682926829270	17.073170731707300	78.35051546391750
28		75.28089887640450	75.55555555555560	0.7566056910569110	0.8095238095238100	0.7083333333333330	29.166666666666700	80.48780487804880	19.51219512195120	70.83333333333330
29		80.0	81.55339805825240	0.7991949910554560	0.8235294117647060	0.8076923076923080	19.230769230769200	79.06976744186050	20.930232558139500	80.76923076923080
30		78.73563218390800	79.55801104972380	0.7949785177228790	0.8674698795180720	0.7346938775510200	26.53061224489800	85.52631578947370	14.473684210526300	73.46938775510210
31		79.3296089385475	79.55801104972380	0.8011363636363640	0.8780487804878050	0.7272727272727270	27.27272727272730	87.5	12.5	72.72727272727270
32		72.09302325581400	75.25773195876290	0.7180019371800200	0.7684210526315790	0.7373737373737370	26.262626262626300	69.86301369863010	30.136986301369900	73.73737373737370
33		79.88165680473370	80.89887640449440	0.7994505494505490	0.8275862068965520	0.7912087912087910	20.87912087912090	80.76923076923080	19.230769230769200	79.12087912087910
34		82.45614035087720	83.14606741573030	0.8262245459548710	0.8604651162790700	0.8043478260869570	19.565217391304300	84.81012658227850	15.18987341772150	80.43478260869570
35		81.57894736842110	82.41206030150750	0.8160529536099680	0.8367346938775510	0.8118811881188120	18.81188118811880	82.02247191011240	17.97752808988760	81.1881188118812
36		78.53107344632770	82.0754716981132	0.7942773600668340	0.8877551020408160	0.7631578947368420	23.684210526315800	82.53968253968250	17.46031746031750	76.31578947368420
37		75.86206896551720	76.40449438202250	0.7617021276595750	0.8095238095238100	0.723404255319149	27.659574468085100	80.0	20.0	72.3404255319149
38		81.00558659217880	80.89887640449440	0.8101123595505620	0.8181818181818180	0.8	20.0	82.02247191011240	17.97752808988760	80.0
39		79.78142076502730	80.0	0.8037349397590360	0.8705882352941180	0.74	26.0	86.74698795180720	13.253012048192800	74.0
40		74.57627118644070	77.38693467336680	0.7414529914529910	0.77	0.7777777777777780	22.22222222222220	70.51282051282050	29.48717948717950	77.77777777777780
41		75.0	76.43979057591620	0.7504977600796420	0.7849462365591400	0.7448979591836740	25.510204081632700	75.60975609756100	24.390243902439000	74.48979591836740
42		78.37837837837840	79.38144329896910	0.7870895346090240	0.8369565217391310	0.7549019607843140	24.509803921568600	81.92771084337350	18.072289156626500	75.49019607843140
43		77.6536312849162	78.94736842105260	0.7768418405833540	0.8064516129032260	0.7731958762886600	22.68041237113400	78.04878048780490	21.951219512195100	77.31958762886600
44		73.78048780487810	77.4869109947644	0.7310049019607840	0.7789473684210530	0.7708333333333330	22.916666666666700	69.11764705882350	30.88235294117650	77.08333333333330
45		79.8913043478261	79.55801104972380	0.8021685033771770	0.8571428571428570	0.7422680412371130	25.773195876288700	86.20689655172410	13.793103448275900	74.22680412371140
46		75.4601226993865	76.19047619047620	0.7543701024713680	0.7619047619047620	0.7619047619047620	23.809523809523800	74.68354430379750	25.31645569620250	76.19047619047620
47		76.70454545454550	78.53403141361260	0.766344773587368	0.7978723404255320	0.7731958762886600	22.68041237113400	75.9493670886076	24.050632911392400	77.31958762886600
48		73.62637362637360	77.35849056603770	0.7396434526099780	0.8282828282828280	0.7256637168141590	27.43362831858410	75.36231884057970	24.637681159420300	72.56637168141590
49		82.32044198895030	83.50515463917530	0.8291013193925820	0.8901098901098900	0.7864077669902910	21.35922330097090	87.17948717948720	12.82051282051280	78.64077669902910
50		76.57142857142860	76.0233918128655	0.7733552631578950	0.8552631578947370	0.6842105263157900	31.57894736842110	86.25	13.750000000000000	68.42105263157900
51		80.45977011494250	81.72043010752690	0.8105050505050510	0.8735632183908050	0.7676767676767680	23.232323232323200	85.33333333333330	14.666666666666700	76.76767676767680
52		82.95454545454550	83.51648351648350	0.8333333333333330	0.8837209302325580	0.7916666666666670	20.833333333333300	87.5	12.5	79.16666666666670
53		83.03030303030300	82.9268292682927	0.8312500000000000	0.8607594936708860	0.8	20.0	86.25	13.750000000000000	80.0
54		73.14285714285710	74.03314917127070	0.7379406307977740	0.8072289156626510	0.6836734693877550	31.63265306122450	79.22077922077920	20.77922077922080	68.36734693877550
55		69.68085106382980	70.76923076923080	0.6963315217391300	0.696969696969697	0.71875	28.125	67.3913043478261	32.608695652173900	71.875
56		79.67032967032970	80.21390374331550	0.7983626440266830	0.8333333333333330	0.7731958762886600	22.68041237113400	82.35294117647060	17.647058823529400	77.31958762886600
57		76.34408602150540	78.0	0.7626092020966800	0.7878787878787880	0.7722772277227720	22.772277227722800	75.29411764705880	24.705882352941200	77.22772277227720
58		78.33333333333330	77.71428571428570	0.7832777159807190	0.7727272727272730	0.7816091954022990	21.839080459770100	78.49462365591400	21.50537634408600	78.16091954022990
59		80.89887640449440	80.89887640449440	0.8099089989888780	0.8372093023255810	0.782608695652174	21.73913043478260	83.72093023255820	16.27906976744190	78.26086956521740
60		79.1907514450867	80.43478260869570	0.7945075757575760	0.8409090909090910	0.7708333333333330	22.916666666666700	81.81818181818180	18.181818181818200	77.08333333333330
61		76.19047619047620	77.15736040609140	0.7626012601260130	0.7916666666666670	0.7524752475247530	24.752475247524800	77.27272727272730	22.727272727272700	75.24752475247520
62		80.7909604519774	81.31868131868130	0.8092796718790050	0.8409090909090910	0.7872340425531920	21.27659574468090	83.13253012048190	16.867469879518100	78.72340425531920
63		74.11764705882350	75.55555555555550	0.7407149812213100	0.7640449438202250	0.7472527472527470	25.274725274725300	73.41772151898740	26.582278481012700	74.72527472527470
64		79.09604519774010	81.02564102564100	0.7924048983845750	0.8404255319148940	0.7821782178217820	21.782178217821800	80.26315789473690	19.736842105263200	78.21782178217820
65		81.62162162162160	83.49514563106800	0.8202260702260700	0.8775510204081630	0.7962962962962960	20.37037037037040	84.4155844155844	15.584415584415600	79.62962962962960
66		71.11111111111110	73.19587628865980	0.7089783281733750	0.7171717171717170	0.7473684210526320	25.263157894736800	67.05882352941180	32.94117647058820	74.73684210526320
67		79.54545454545460	80.64516129032260	0.796875	0.8333333333333330	0.78125	21.875	81.25	18.75	78.125
68		73.03370786516850	75.25773195876290	0.7275835866261400	0.73	0.776595744680851	22.340425531914900	67.85714285714290	32.142857142857100	77.6595744680851
69		77.17391304347830	77.41935483870970	0.7717121588089330	0.7741935483870970	0.7741935483870970	22.58064516129030	76.92307692307690	23.076923076923100	77.41935483870970
70		80.97826086956520	82.58706467661690	0.8078571428571430	0.8217821782178220	0.83	17.0	78.57142857142860	21.428571428571400	83.0
71		77.27272727272730	75.90361445783130	0.7716871363930190	0.7777777777777780	0.7411764705882350	25.882352941176500	80.21978021978020	19.78021978021980	74.11764705882350
72		74.44444444444440	75.00000000000000	0.7455108359133130	0.7752808988764050	0.7263157894736840	27.368421052631600	76.47058823529410	23.52941176470590	72.63157894736840
73		78.37837837837840	78.72340425531910	0.7842529810614920	0.7628865979381440	0.8131868131868130	18.681318681318700	75.53191489361700	24.46808510638300	81.31868131868130
74		77.96610169491530	79.79274611398960	0.7799145299145300	0.8191489361702130	0.7777777777777780	22.22222222222220	78.2051282051282	21.794871794871800	77.77777777777780
75		79.76878612716760	79.28994082840240	0.8039650537634410	0.881578947368421	0.7204301075268820	27.956989247311800	88.75	11.25	72.04301075268820
76		75.70621468926550	76.75675675675670	0.7624320124320120	0.8255813953488370	0.7171717171717170	28.28282828282830	80.76923076923080	19.230769230769200	71.71717171717170
77		81.65680473372780	82.87292817679560	0.8204125177809390	0.872093023255814	0.7894736842105260	21.052631578947400	85.13513513513510	14.864864864864900	78.94736842105260
78		74.31693989071040	74.5945945945946	0.7438397129186600	0.7666666666666670	0.7263157894736840	27.368421052631600	76.13636363636360	23.863636363636400	72.63157894736840
79		78.57142857142860	80.0	0.7863414634146340	0.8210526315789470	0.78	22.0	79.26829268292680	20.73170731707320	78.0
80		80.45977011494250	81.72043010752690	0.8196362641870640	0.9156626506024100	0.7378640776699030	26.21359223300970	90.14084507042250	9.859154929577460	73.7864077669903
81		75.86206896551720	77.41935483870970	0.7607444102289460	0.8089887640449440	0.7422680412371130	25.773195876288700	77.92207792207790	22.07792207792210	74.22680412371140
82		76.47058823529410	78.26086956521740	0.7683942945911600	0.8275862068965520	0.7422680412371130	25.773195876288700	79.45205479452060	20.54794520547950	74.22680412371140
83		77.52808988764050	77.01149425287360	0.7855867346938780	0.881578947368421	0.6836734693877550	31.63265306122450	88.75	11.25	68.36734693877550
84		75.7396449704142	77.83783783783780	0.7708516242317820	0.8674698795180720	0.7058823529411770	29.411764705882400	83.5820895522388	16.417910447761200	70.58823529411770
85		78.26086956521740	80.95238095238100	0.7803131447991260	0.8252427184466020	0.794392523364486	20.5607476635514	76.62337662337660	23.376623376623400	79.43925233644860
86		80.64516129032260	81.63265306122450	0.807804309842749	0.8421052631578950	0.7920792079207920	20.792079207920800	82.35294117647060	17.647058823529400	79.20792079207920
87		69.14285714285710	68.23529411764710	0.7074029771398190	0.8169014084507040	0.5858585858585860	41.41414141414140	82.89473684210530	17.105263157894700	58.58585858585860
88		80.11363636363640	81.86528497409330	0.8044224422442240	0.8586956521739130	0.7821782178217820	21.782178217821800	82.66666666666670	17.333333333333300	78.21782178217820
89		81.21546961325970	80.89887640449440	0.8126526624328290	0.8372093023255810	0.782608695652174	21.73913043478260	84.26966292134830	15.730337078651700	78.26086956521740
90		78.65168539325840	79.34782608695650	0.7878249841471150	0.8202247191011240	0.7684210526315790	23.157894736842100	80.72289156626510	19.27710843373490	76.84210526315790
91		76.53631284916200	79.20792079207920	0.7660875160875160	0.8247422680412370	0.7619047619047620	23.809523809523800	77.02702702702700	22.972972972973000	76.19047619047620
92		77.47252747252750	78.75647668393780	0.7746598639455780	0.8	0.7755102040816330	22.448979591836700	77.38095238095240	22.61904761904760	77.55102040816330
93		81.00558659217880	80.45977011494250	0.8107517482517480	0.8433734939759040	0.7692307692307690	23.076923076923100	85.22727272727270	14.772727272727300	76.92307692307690
94		80.55555555555560	82.41206030150750	0.8071491615180940	0.8541666666666670	0.7961165048543690	20.388349514563100	81.81818181818180	18.181818181818200	79.6116504854369
95		76.08695652173910	77.55102040816330	0.761779792437075	0.8	0.7524752475247530	24.752475247524800	77.10843373493980	22.89156626506020	75.24752475247520
96		79.56989247311830	77.90697674418610	0.7956989247311830	0.8481012658227850	0.7204301075268820	27.956989247311800	87.09677419354840	12.903225806451600	72.04301075268820
97		77.71428571428570	79.79274611398960	0.7744593881856540	0.7938144329896910	0.8020833333333330	19.791666666666700	74.68354430379750	25.31645569620250	80.20833333333330
98		78.68852459016390	80.59701492537310	0.7859477124183010	0.8181818181818180	0.7941176470588240	20.588235294117600	77.77777777777780	22.22222222222220	79.41176470588240
99		82.24852071005920	82.75862068965520	0.8339041095890410	0.9230769230769230	0.75	25.0	91.78082191780820	8.21917808219178	75.0
	Mean	**77.86680220052430**	**78.86683851384480**	**0.781031721048063**	**0.8236602674453410**	**0.7583014971612600**	**24.169850283874**	**80.3761944934866**	**19.6238055065134**	**75.83014971612600**
	Standard Deviation	3.12315359157320	3.13516524912693	0.0319016850008687	0.0443225847595874	0.0385260255944459	3.8526025594446	5.24082996398904	5.24082996398904	3.85260255944459
	T Test Significance (Female to Male)									

Experiment 3.1.3 (Unbalanced training data, with feature selection) - Logistic Regression Classifier

		UB_Accuracy	UB_FScore	UB_ROC_AUC	UB_Precision	UB_Recall
0		73.6	70.53571428571430	0.736000000000000	0.797979797979798	0.632
1		70.8	66.04651162790700	0.709165386584741	0.797752808988764	0.563492063492064
2		69.20000000000000	65.77777777777780	0.695912614517266	0.770833333333333	0.573643410852713
3		70.40000000000000	67.2566371681416	0.710244403104754	0.8	0.580152671755725
4		70.40000000000000	65.09433962264150	0.705261136712750	0.802325581395349	0.547619047619048
5		68.0	62.26415094339620	0.678827444956477	0.75	0.532258064516129
6		65.2	62.00873362445420	0.652713773681516	0.689320388349515	0.563492063492064
7		74.4	71.42857142857140	0.741931352459016	0.784313725490196	0.655737704918033
8		69.20000000000000	62.06896551724140	0.693548387096774	0.818181818181818	0.5
9		72.8	68.80733944954130	0.728000000000000	0.806451612903226	0.6
10		68.0	62.61682242990650	0.681195596518177	0.761363636363636	0.531746031746032
11		70.40000000000000	65.09433962264150	0.705261136712750	0.802325581395349	0.547619047619048
12		69.6	67.24137931034480	0.696620583717358	0.735849056603774	0.619047619047619
13		70.0	64.78873239436620	0.692337461300310	0.696969696969697	0.605263157894737
14		69.20000000000000	66.07929515418500	0.698024247867086	0.78125	0.572519083969466
15		69.6	65.13761467889910	0.708890890375708	0.845238095238095	0.529850746268657
16		72.40000000000000	69.33333333333330	0.724000000000000	0.78	0.624
17		69.20000000000000	66.95278969957080	0.694031762295082	0.742857142857143	0.609375
18		66.8	62.78026905829600	0.679297478126608	0.786516853932584	0.522388059701493
19		68.0	63.96396396396400	0.685576923076923	0.771739130434783	0.546153846153846
20		72.8	68.22429906542060	0.722753223426775	0.768421052631579	0.613445378151261
21		69.6	66.66666666666670	0.700641025641026	0.775510204081633	0.584615384615385
22		74.0	68.29268292682930	0.730273752012883	0.777777777777778	0.608695652173913
23		74.0	68.89952153110050	0.735505157281056	0.818181818181818	0.595041322314050
24		72.40000000000000	68.4931506849315	0.727394979508197	0.824175824175824	0.5859375
25		72.0	65.68627450980390	0.714844000256263	0.807228915662651	0.553719008264463
26		68.8	64.22018348623850	0.702737520128825	0.843373493975904	0.518518518518519
27		68.8	63.88888888888890	0.685130635245902	0.734042553191489	0.565573770491803
28		67.2	64.03508771929830	0.690517855985482	0.820224719101124	0.525179856115108
29		71.6	69.7872340425532	0.720540124446725	0.788461538461538	0.625954198473283
30		73.2	67.3170731707317	0.725961538461538	0.811764705882353	0.575
31		66.0	62.882096069869	0.661513347416939	0.705882352941177	0.566929133858268
32		68.4	62.20095693779910	0.676938880328711	0.714285714285714	0.550847457627119
33		71.2	66.35514018691590	0.709877728698547	0.780219780219780	0.577235772357724
34		71.6	67.8733031674208	0.721794871794872	0.824175824175824	0.576923076923077
35		68.4	61.83574879227050	0.675759912602018	0.711111111111111	0.547008547008547
36		68.0	62.61682242990650	0.681195596518177	0.761363636363636	0.531746031746032
37		69.20000000000000	63.1578947368421	0.687455954897815	0.75	0.545454545454545
38		70.0	65.75342465753430	0.700000000000000	0.765957446808511	0.576
39		67.2	63.06306306306310	0.691123188405797	0.833333333333333	0.507246376811594
40		70.8	67.55555555555560	0.708845366103431	0.767676767676768	0.603174603174603
41		72.40000000000000	69.33333333333330	0.725785801165098	0.795918367346939	0.614173228346457
42		70.8	63.31658291457290	0.693075117370892	0.692307692307692	0.583333333333333
43		68.8	64.54545454545450	0.682900154400412	0.682692307692308	0.612068965517241
44		67.2	64.03508771929820	0.679057524396507	0.760416666666667	0.553030303030303
45		74.0	67.00507614213200	0.729419703103914	0.825	0.564102564102564
46		73.6	68.26923076923080	0.732389856557377	0.825581395348837	0.581967213114754
47		70.0	66.66666666666670	0.702804815573771	0.773195876288660	0.5859375
48		67.2	64.95726495726500	0.682920536635707	0.775510204081633	0.558823529411765
49		70.8	65.40284360189570	0.701463790446841	0.741935483870968	0.584745762711864
50		71.6	67.57990867579910	0.718167850969848	0.804347826086957	0.582677165354331
51		70.8	66.66666666666670	0.710165802445426	0.793478260869565	0.574803149606299
52		71.2	65.04854368932040	0.705176727179421	0.770114942528736	0.563025210084034
53		74.0	70.04608294930880	0.735358265443582	0.775510204081633	0.638655462184874
54		68.8	63.20754716981130	0.695192307692308	0.817073170731707	0.515384615384615
55		70.0	63.05418719211820	0.697170475641764	0.8	0.520325203252033
56		70.0	63.76811594202900	0.696273053278689	0.776470588235294	0.540983606557377
57		72.8	69.36936936936940	0.724679487179487	0.754901960784314	0.641666666666667
58		70.40000000000000	67.2566371681416	0.702100409836066	0.730769230769231	0.622950819672131
59		75.6	73.36244541484720	0.756000000000000	0.807692307692308	0.672
60		64.4	58.98617511520740	0.641201331967213	0.673684210526316	0.524590163934426
61		67.2	60.19417475728160	0.669355354970873	0.746987951807229	0.504065040650407
62		67.60000000000000	65.82278481012660	0.681047765793528	0.742857142857143	0.590909090909091
63		70.8	65.07177033492820	0.703472355692229	0.772727272727273	0.561983471074380
64		69.20000000000000	63.50710900473930	0.696144979508197	0.807228915662651	0.5234375
65		71.2	69.4915254237288	0.718527086948140	0.796116504854369	0.616541353383459
66		70.8	68.3982683982684	0.721949486467282	0.840425531914894	0.576642335766423
67		71.6	69.26406926406930	0.714587602459016	0.733944954128440	0.655737704918033
68		72.0	67.88990825688070	0.716025641025641	0.755102040816327	0.616666666666667
69		72.0	69.02654867256640	0.721720760514692	0.787878787878788	0.614173228346457
70		67.2	61.6822429906542	0.674476666026503	0.758620689655172	0.519685039370079
71		68.8	62.13592233009710	0.681121303483225	0.735632183908046	0.537815126050420
72		71.2	66.97247706422020	0.707049306625578	0.73	0.618644067796610
73		70.40000000000000	64.76190476190480	0.694875776397516	0.693877551020408	0.607142857142857
74		70.0	67.24890829694320	0.706920903954802	0.793814432989691	0.583333333333333
75		74.0	70.85201793721970	0.743019979508197	0.831578947368421	0.6171875
76		74.4	69.52380952380950	0.738782051282051	0.811111111111111	0.608333333333333
77		70.8	65.40284360189570	0.705684655271750	0.784090909090909	0.560975609756098
78		69.6	63.46153846153850	0.691331923890063	0.758620689655172	0.545454545454545
79		67.60000000000000	59.70149253731340	0.668131374687280	0.731707317073171	0.504201680672269
80		75.6	69.34673366834170	0.752928749759939	0.907894736842105	0.560975609756098
81		67.2	60.57692307692310	0.662345201238390	0.670212765957447	0.552631578947369
82		71.6	66.02870813397130	0.712474385245902	0.793103448275862	0.565573770491803
83		68.0	63.30275229357800	0.679019457245264	0.734042553191489	0.556451612903226
84		70.40000000000000	66.96428571428570	0.703213005632361	0.75	0.604838709677419
85		71.6	67.57990867579910	0.713434938524590	0.762886597938144	0.606557377049180
86		70.40000000000000	65.09433962264150	0.699038461538462	0.75	0.575
87		70.0	67.24890829694320	0.702420594262295	0.762376237623762	0.6015625
88		68.8	63.55140186915890	0.691854508196721	0.790697674418605	0.53125
89		70.40000000000000	67.82608695652170	0.706326844262295	0.764705882352941	0.609375
90		65.60000000000000	63.24786324786320	0.658722531872638	0.704761904761905	0.573643410852713
91		71.6	67.8733031674208	0.716	0.78125	0.6
92		70.8	63.68159203980100	0.701282051282051	0.790123456790123	0.533333333333333
93		70.8	66.35944700460830	0.709101382488479	0.791208791208791	0.571428571428571
94		72.40000000000000	67.90697674418610	0.718936429533646	0.760416666666667	0.613445378151261
95		69.6	65.1376146788991	0.703765475655911	0.816091954022989	0.541984732824428
96		71.2	66.66666666666670	0.718589743589744	0.837209302325581	0.553846153846154
97		74.8	73.41772151898740	0.752229135929181	0.820754716981132	0.664122137404580
98		68.8	64.54545454545460	0.687083973374296	0.739583333333333	0.572580645161290
99		71.6	65.70048309178740	0.707891523680998	0.755555555555556	0.581196581196581
	Mean	**70.344**	**65.8842605682503**	**0.703498316173683**	**0.77376236039132**	**0.575585748030395**
	Standard Deviation	2.31151356247264	2.86005867936154	0.022120019789737	0.042271599647736	0.038424347707084
	T Test Significance (Female to Male)					

	UB_F_Accuracy	UB_F_FScore	UB_F_ROC_AUC	UB_F_Precision	UB_F_Recall	UB_F_FNR	UB_F_TNR	UB_F_FPR	UB_F_TPR
0	75.38461538461540	65.21739130434780	0.724358974358974	0.75	0.576923076923077	42.30769230769230	87.17948717948720	12.82051282051280	57.69230769230770
1	73.61111111111110	51.28205128205130	0.662962962962963	0.833333333333333	0.370370370370370	62.96296296296300	95.55555555555560	4.444444444444450	37.03703703703700
2	70.76923076923080	57.77777777777780	0.682471264367816	0.8125	0.448275862068966	55.17241379310340	91.66666666666670	8.333333333333330	44.82758620689660
3	68.57142857142860	50.0	0.651778329197684	0.846153846153846	0.354838709677419	64.51612903225810	94.87179487179490	5.128205128205130	35.48387096774190
4	76.71232876712330	58.53658536585370	0.700483091787440	0.857142857142857	0.444444444444444	55.55555555555560	95.65217391304350	4.347826086956520	44.44444444444440
5	69.44444444444440	52.17391304347830	0.652380952380952	0.75	0.4	60.0	90.47619047619050	9.523809523809520	40.0
6	68.57142857142860	47.61904761904760	0.624125874125874	0.625	0.384615384615385	61.53846153846150	86.36363636363640	13.63636363636360	38.46153846153850
7	78.57142857142860	65.11627906976740	0.737318840579710	0.736842105263158	0.583333333333333	41.66666666666670	89.13043478260870	10.86956521739130	58.33333333333330
8	71.64179104477610	45.71428571428570	0.636190476190476	0.8	0.32	68.0	95.23809523809520	4.761904761904760	32.0
9	70.4225352112676	46.15384615384620	0.632575757575758	0.75	0.333333333333333	66.66666666666670	93.18181818181820	6.818181818181820	33.33333333333330
10	68.4931506849315	46.51162790697670	0.623015873015873	0.666666666666667	0.357142857142857	64.28571428571430	88.88888888888890	11.11111111111110	35.71428571428570
11	67.53246753246750	41.86046511627910	0.603089080459770	0.642857142857143	0.310344827586207	68.96551724137930	89.58333333333330	10.41666666666670	31.03448275862070
12	76.81159420289860	61.90476190476190	0.715116279069768	0.8125	0.5	50.0	93.02325581395350	6.976744186046510	50.0
13	75.0	53.65853658536580	0.671538461538462	0.733333333333333	0.423076923076923	57.69230769230770	92.0	8.0	42.30769230769230
14	72.05882352941180	59.57446808510640	0.690097259062776	0.777777777777778	0.482758620689655	51.72413793103450	89.74358974358980	10.25641025641030	48.27586206896550
15	66.66666666666670	46.80851063829790	0.637374461979914	0.846153846153846	0.323529411764706	67.64705882352940	95.1219512195122	4.878048780487810	32.35294117647060
16	71.08433734939760	53.84615384615390	0.659926470588235	0.7	0.4375	56.25	88.23529411764710	11.76470588235290	43.75
17	66.66666666666670	46.80851063829790	0.620601173020528	0.6875	0.354838709677419	64.51612903225810	88.63636363636360	11.36363636363640	35.48387096774190
18	65.0	40.0	0.605203619909502	0.777777777777778	0.269230769230769	73.07692307692310	94.11764705882350	5.88235294117647	26.92307692307690
19	65.75342465753420	48.9795918367347	0.638009049773756	0.8	0.352941176470588	64.70588235294120	92.3076923076923	7.692307692307690	35.29411764705880
20	79.6875	55.17241379310340	0.692740926157697	0.666666666666667	0.470588235294118	52.94117647058820	91.48936170212770	8.51063829787234	47.05882352941180
21	67.6923076923077	51.16279069767440	0.647988505747126	0.785714285714286	0.379310344827586	62.06896551724140	91.66666666666670	8.333333333333330	37.93103448275860
22	70.4225352112676	55.31914893617020	0.664614121510673	0.722222222222222	0.448275862068966	55.17241379310340	88.09523809523810	11.90476190476190	44.82758620689660
23	68.75	50.98039215686280	0.652380952380952	0.8125	0.371428571428571	62.85714285714290	93.33333333333330	6.666666666666670	37.14285714285710
24	76.0	59.09090909090910	0.699074074074074	0.764705882352941	0.481481481481481	51.85185185185190	91.66666666666670	8.333333333333330	48.14814814814810
25	74.66666666666670	53.65853658536580	0.675151975683891	0.846153846153846	0.392857142857143	60.71428571428570	95.74468085106380	4.25531914893617	39.28571428571430
26	73.86363636363640	58.18181818181820	0.690835579514825	0.8	0.457142857142857	54.28571428571430	92.45283018867920	7.547169811320760	45.71428571428570
27	76.0	60.8695652173913	0.708770614692654	0.823529411764706	0.482758620689655	51.72413793103450	93.47826086956520	6.521739130434780	48.27586206896550
28	67.5	50.0	0.641269841269841	0.764705882352941	0.371428571428571	62.85714285714290	91.11111111111110	8.88888888888889	37.14285714285710
29	71.83098591549300	54.54545454545460	0.675609756097561	0.857142857142857	0.4	60.0	95.1219512195122	4.878048780487810	40.0
30	70.66666666666670	47.61904761904760	0.644444444444445	0.833333333333333	0.333333333333333	66.66666666666670	95.55555555555560	4.444444444444450	33.33333333333330
31	71.23287671232880	48.78048780487810	0.641706924315620	0.714285714285714	0.370370370370370	62.96296296296300	91.30434782608700	8.695652173913040	37.03703703703700
32	71.05263157894740	50.0	0.644345238095238	0.6875	0.392857142857143	60.71428571428570	89.58333333333330	10.41666666666670	39.28571428571430
33	80.28169014084510	61.11111111111110	0.718297101449275	0.846153846153846	0.478260869565217	52.17391304347830	95.83333333333330	4.166666666666670	47.82608695652170
34	73.52941176470590	57.14285714285710	0.689285714285714	0.857142857142857	0.428571428571429	57.14285714285710	95.0	5.0	42.85714285714290
35	77.46478873239440	57.89473684210530	0.697251773049645	0.785714285714286	0.458333333333333	54.16666666666670	93.61702127659580	6.382978723404260	45.83333333333330
36	72.72727272727270	43.24324324324320	0.624434389140272	0.727272727272727	0.307692307692308	69.23076923076920	94.11764705882350	5.88235294117647	30.76923076923080
37	68.18181818181820	27.58620689655170	0.550793650793651	0.5	0.190476190476190	80.95238095238100	91.11111111111110	8.88888888888889	19.04761904761900
38	72.6027397260274	54.54545454545450	0.669841269841270	0.75	0.428571428571429	57.14285714285710	91.11111111111110	8.88888888888889	42.85714285714290
39	64.38356164383560	40.90909090909090	0.604039634146341	0.75	0.28125	71.875	92.6829268292683	7.317073170731710	28.125
40	63.63636363636360	50.0	0.612301957129543	0.631578947368421	0.413793103448276	58.62068965517240	81.08108108108110	18.91891891891890	41.37931034482760
41	75.38461538461540	55.55555555555560	0.6875	0.909090909090909	0.4	60.0	97.5	2.5	40.0
42	77.33333333333330	37.03703703703700	0.604793233082707	0.625	0.263157894736842	73.68421052631580	94.64285714285710	5.357142857142860	26.31578947368420
43	72.05882352941180	57.77777777777780	0.682142857142857	0.764705882352941	0.464285714285714	53.57142857142860	90.0	10.0	46.42857142857140
44	81.57894736842110	70.83333333333330	0.772463768115942	0.944444444444444	0.566666666666667	43.33333333333330	97.82608695652170	2.173913043478260	56.66666666666670
45	74.35897435897440	50.0	0.655773420479303	0.769230769230769	0.370370370370370	62.96296296296300	94.11764705882350	5.88235294117647	37.03703703703700
46	75.0	54.54545454545450	0.675824175824176	0.75	0.428571428571429	57.14285714285710	92.3076923076923	7.692307692307690	42.85714285714290
47	68.65671641791050	48.78048780487800	0.653153153153153	0.909090909090909	0.333333333333333	66.66666666666670	97.2972972972973	2.702702702702700	33.33333333333330
48	69.86301369863010	50.0	0.648449612403101	0.785714285714286	0.366666666666667	63.33333333333330	93.02325581395350	6.976744186046510	36.66666666666670
49	71.23287671232880	53.33333333333330	0.657004830917874	0.666666666666667	0.444444444444444	55.55555555555560	86.95652173913040	13.04347826086960	44.44444444444440
50	70.27027027027030	54.16666666666670	0.659848484848485	0.722222222222222	0.433333333333333	56.66666666666670	88.63636363636360	11.36363636363640	43.33333333333330
51	69.62025316455700	52.00000000000000	0.653491436100132	0.764705882352941	0.393939393939394	60.60606060606060	91.30434782608700	8.695652173913040	39.39393939393940
52	73.75	55.31914893617020	0.686331399097357	0.928571428571429	0.393939393939394	60.60606060606060	97.87234042553190	2.127659574468090	39.39393939393940
53	76.47058823529410	60.0	0.705116279069767	0.8	0.48	52.0	93.02325581395350	6.976744186046510	48.0
54	67.12328767123290	47.82608695652170	0.641666666666667	0.846153846153846	0.333333333333333	66.66666666666670	95.0	5.0	33.33333333333330
55	72.72727272727270	51.16279069767440	0.662056737588653	0.846153846153846	0.366666666666667	63.33333333333330	95.74468085106380	4.25531914893617	36.66666666666670
56	72.22222222222220	56.52173913043480	0.690625	0.928571428571429	0.40625	59.375	97.5	2.5	40.625
57	80.95238095238100	66.66666666666670	0.75	0.8	0.571428571428571	42.85714285714290	92.85714285714290	7.142857142857140	57.14285714285710
58	75.0	58.53658536585370	0.695054945054945	0.8	0.461538461538462	53.84615384615390	92.85714285714290	7.142857142857140	46.15384615384620
59	81.15942028985510	62.85714285714290	0.728723404255319	0.846153846153846	0.5	50.0	95.74468085106380	4.25531914893617	50.0
60	70.83333333333330	55.31914893617020	0.663961038961039	0.684210526315790	0.464285714285714	53.57142857142860	86.36363636363640	13.63636363636360	46.42857142857140
61	75.67567567567570	52.63157894736840	0.668333333333333	0.714285714285714	0.416666666666667	58.33333333333330	92.0	8.0	41.66666666666670
62	65.21739130434780	47.82608695652170	0.619230769230769	0.6875	0.366666666666667	63.33333333333330	87.17948717948720	12.82051282051280	36.66666666666670
63	70.12987012987010	46.51162790697680	0.630747126436782	0.714285714285714	0.344827586206897	65.51724137931040	91.66666666666670	8.333333333333330	34.48275862068970
64	71.42857142857140	50.0	0.653684210526316	0.818181818181818	0.36	64.0	94.73684210526320	5.263157894736840	36.0
65	70.4225352112676	58.82352941176470	0.683092948717949	0.789473684210526	0.46875	53.125	89.74358974358980	10.25641025641030	46.875
66	72.8395061728395	56.00000000000000	0.680871212121212	0.823529411764706	0.424242424242424	57.57575757575760	93.75	6.25	42.42424242424240
67	72.85714285714290	53.65853658536580	0.668819982773471	0.785714285714286	0.407407407407407	59.25925925925930	93.02325581395350	6.976744186046510	40.74074074074070
68	82.05128205128200	72.00000000000000	0.779732582688248	0.857142857142857	0.620689655172414	37.93103448275860	93.87755102040820	6.122448979591840	62.06896551724140
69	76.0	64.00000000000000	0.723973607038123	0.842105263157895	0.516129032258065	48.38709677419360	93.18181818181820	6.818181818181820	51.61290322580650
70	68.25396825396830	47.36842105263160	0.632536382536383	0.75	0.346153846153846	65.38461538461540	91.8918918918919	8.108108108108110	34.61538461538460
71	73.41772151898740	51.16279069767440	0.657212885154062	0.733333333333333	0.392857142857143	60.71428571428570	92.15686274509800	7.843137254901960	39.28571428571430
72	79.16666666666670	59.45945945945950	0.723435948361470	0.611111111111111	0.578947368421053	42.10526315789470	86.79245283018870	13.20754716981130	57.89473684210530
73	71.83098591549300	50.0	0.644474637681159	0.588235294117647	0.434782608695652	56.52173913043480	85.41666666666670	14.58333333333330	43.47826086956520
74	66.17647058823530	51.06382978723410	0.645833333333333	0.8	0.375	62.5	91.66666666666670	8.333333333333330	37.5
75	70.96774193548390	50.0	0.659188034188034	0.9	0.346153846153846	65.38461538461540	97.22222222222220	2.777777777777780	34.61538461538460
76	77.33333333333330	56.41025641025640	0.691130298273155	0.846153846153846	0.423076923076923	57.69230769230770	95.91836734693880	4.081632653061230	42.30769230769230
77	68.05555555555560	43.90243902439030	0.611111111111111	0.642857142857143	0.333333333333333	66.66666666666670	88.88888888888890	11.11111111111110	33.33333333333330
78	69.35483870967740	51.28205128205130	0.656613756613757	0.833333333333333	0.370370370370370	62.96296296296300	94.28571428571430	5.714285714285710	37.03703703703700
79	72.85714285714290	45.71428571428570	0.637777777777778	0.8	0.32	68.0	95.55555555555560	4.444444444444450	32.0
80	75.0	47.05882352941180	0.649361702127660	0.888888888888889	0.32	68.0	97.87234042553190	2.127659574468090	32.0
81	78.46153846153850	53.33333333333330	0.677917620137300	0.727272727272727	0.421052631578947	57.89473684210530	93.47826086956520	6.521739130434780	42.10526315789470
82	75.75757575757580	61.90476190476190	0.712500000000000	0.8125	0.5	50.0	92.5	7.5	50.0
83	70.12987012987010	51.06382978723400	0.650070126227209	0.75	0.387096774193548	61.29032258064520	91.30434782608700	8.695652173913040	38.70967741935480
84	76.71232876712330	62.22222222222220	0.715780998389694	0.777777777777778	0.518518518518519	48.14814814814810	91.30434782608700	8.695652173913040	51.85185185185190
85	75.34246575342470	60.8695652173913	0.707288401253919	0.823529411764706	0.482758620689655	51.72413793103450	93.18181818181820	6.818181818181820	48.27586206896550
86	76.38888888888890	58.53658536585370	0.702922077922078	0.923076923076923	0.428571428571429	57.14285714285710	97.72727272727270	2.272727272727270	42.85714285714290
87	73.33333333333330	61.53846153846150	0.7	0.727272727272727	0.533333333333333	46.66666666666670	86.66666666666670	13.33333333333330	53.33333333333330
88	78.87323943661970	59.45945945945950	0.707880434782609	0.785714285714286	0.478260869565217	52.17391304347830	93.75	6.25	47.82608695652170
89	71.1864406779661	54.05405405405410	0.661835748792271	0.714285714285714	0.434782608695652	56.52173913043480	88.88888888888890	11.11111111111110	43.47826086956520
90	74.57627118644070	54.54545454545460	0.673717948717949	0.692307692307692	0.45	55.00000000000000	89.74358974358980	10.25641025641030	45.0
91	67.64705882352940	54.16666666666670	0.650877192982456	0.722222222222222	0.433333333333333	56.66666666666670	86.8421052631579	13.15789473684210	43.33333333333330
92	72.0	46.15384615384620	0.632260596546311	0.692307692307692	0.346153846153846	65.38461538461540	91.83673469387760	8.16326530612245	34.61538461538460
93	71.21212121212120	55.81395348837210	0.686111111111111	0.923076923076923	0.4	60.0	97.22222222222220	2.777777777777780	40.0
94	74.02597402597400	58.33333333333330	0.690780141843972	0.777777777777778	0.466666666666667	53.33333333333330	91.48936170212770	8.51063829787234	46.66666666666670
95	66.15384615384620	47.61904761904760	0.630747126436782	0.769230769230769	0.344827586206897	65.51724137931040	91.66666666666670	8.333333333333330	34.48275862068970
96	72.85714285714290	48.64864864864860	0.655038759689922	0.9	0.333333333333333	66.66666666666670	97.67441860465120	2.325581395348840	33.33333333333330
97	63.23529411764710	41.86046511627910	0.577838827838828	0.529411764705882	0.346153846153846	65.38461538461540	80.95238095238100	19.04761904761900	34.61538461538460
98	69.13580246913580	44.44444444444440	0.617647058823529	0.666666666666667	0.333333333333333	66.66666666666670	90.19607843137260	9.803921568627450	33.33333333333330
99	77.77777777777780	57.89473684210530	0.698723404255319	0.846153846153846	0.44	56.00000000000000	95.74468085106380	4.25531914893617	44.0
Mean	**72.40380626762950**	**53.1293261131455**	**0.666548763543034**	**0.772092649653408**	**0.41052722001394**	**58.947277998606**	**92.25703070721270**	**7.74296929278727**	**41.052722001394**
Standard Deviation	4.25725862308382	7.06228922894526	0.039153552780943	0.086613553440046	0.076180787295296	7.61807872952965	3.47312914818426	3.47312914818426	7.61807872952965
T Test Significance (Female to Male)	**0.009696494285988**	**0.000000000000000**	**0.000000390470598**	**0.439466304076613**	**0.000000000000000**	**0.000000000000000**	**0.000000000000000**	**0.000000000000000**	**0.000000000000000**

	UB_M_Accuracy	UB_M_FScore	UB_M_ROC_AUC	UB_M_Precision	UB_M_Recall	UB_M_FNR	UB_M_TNR	UB_M_FPR	UB_M_TPR
0	72.97297297297300	71.91011235955060	0.736023020906742	0.810126582278481	0.646464646464647	35.35353535353540	82.55813953488370	17.44186046511630	64.64646464646470
1	69.66292134831460	69.31818181818180	0.706814985295998	0.792207792207792	0.616161616161616	38.38383838383840	79.74683544303800	20.25316455696200	61.61616161616160
2	68.64864864864870	67.77777777777780	0.693235294117647	0.7625	0.61	39.0	77.64705882352940	22.35294117647060	61.0
3	71.11111111111110	71.42857142857140	0.71875	0.792682926829268	0.65	35.0	78.75	21.25	65.0
4	67.79661016949150	66.66666666666670	0.691724941724942	0.791666666666667	0.575757575757576	42.42424242424240	80.76923076923080	19.23076923076920	57.57575757575760
5	67.41573033707870	65.06024096385540	0.680091185410334	0.75	0.574468085106383	42.5531914893617	78.57142857142860	21.42857142857140	57.44680851063830
6	63.88888888888890	65.24064171123000	0.6425	0.701149425287356	0.61	39.0	67.5	32.5	61.0
7	72.77777777777780	72.9281767955801	0.733076157292185	0.795180722891566	0.673469387755102	32.6530612244898	79.26829268292680	20.73170731707320	67.3469387755102
8	68.30601092896170	65.47619047619050	0.699106496015455	0.820895522388060	0.544554455445545	45.54455445544560	85.36585365853660	14.63414634146340	54.45544554455450
9	73.74301675977650	73.74301675977650	0.744142101284959	0.814814814814815	0.673469387755102	32.6530612244898	81.48148148148150	18.51851851851850	67.3469387755102
10	67.79661016949150	66.66666666666670	0.689550503745802	0.780821917808219	0.581632653061225	41.83673469387760	79.74683544303800	20.25316455696200	58.16326530612250
11	71.67630057803470	71.00591715976330	0.730330982094411	0.833333333333333	0.618556701030928	38.14432989690720	84.21052631578950	15.78947368421050	61.85567010309280
12	66.85082872928180	68.42105263157900	0.670679012345679	0.722222222222222	0.65	35.0	69.1358024691358	30.86419753086420	65.0
13	67.81609195402300	67.44186046511630	0.678382663847780	0.690476190476191	0.659090909090909	34.09090909090910	69.76744186046510	30.23255813953490	65.9090909090909
14	68.13186813186810	67.77777777777780	0.692769607843137	0.782051282051282	0.598039215686275	40.19607843137260	78.75	21.25	59.80392156862750
15	70.85714285714290	70.17543859649120	0.726666666666667	0.845070422535211	0.6	40.0	85.33333333333330	14.66666666666670	60.0
16	73.05389221556890	73.98843930635840	0.735977913397268	0.8	0.688172043010753	31.18279569892470	78.37837837837840	21.62162162162160	68.81720430107530
17	70.28571428571430	72.04301075268820	0.704335183716627	0.752808988764045	0.690721649484536	30.92783505154640	71.7948717948718	28.20512820512820	69.0721649484536
18	67.36842105263160	67.02127659574470	0.688008130081301	0.7875	0.583333333333333	41.66666666666670	79.26829268292680	20.73170731707320	58.33333333333330
19	68.92655367231640	68.20809248554910	0.696180555555556	0.766233766233766	0.614583333333333	38.54166666666670	77.77777777777780	22.22222222222220	61.45833333333330
20	70.43010752688170	70.27027027027030	0.711484593837535	0.783132530120482	0.637254901960784	36.27450980392160	78.57142857142860	21.42857142857140	63.72549019607840
21	70.27027027027030	70.27027027027030	0.708686940122584	0.773809523809524	0.643564356435644	35.64356435643560	77.38095238095240	22.61904761904760	64.35643564356440
22	75.41899441340780	72.15189873417720	0.750750187546887	0.791666666666667	0.662790697674419	33.72093023255810	83.87096774193550	16.12903225806450	66.27906976744190
23	76.47058823529410	74.68354430379750	0.765642303433001	0.819444444444444	0.686046511627907	31.3953488372093	84.52380952380950	15.47619047619050	68.6046511627907
24	70.85714285714290	70.85714285714290	0.725849611988226	0.837837837837838	0.613861386138614	38.61386138613860	83.78378378378380	16.21621621621620	61.38613861386140
25	70.85714285714290	68.71165644171780	0.715709415158668	0.8	0.602150537634409	39.78494623655910	82.92682926829270	17.07317073170730	60.21505376344090
26	66.0493827160494	66.25766871165640	0.697419354838710	0.857142857142857	0.54	46.0	85.48387096774190	14.51612903225810	54.0
27	65.71428571428570	64.70588235294120	0.661552583267768	0.714285714285714	0.591397849462366	40.86021505376340	73.17073170731710	26.82926829268290	59.13978494623660
28	67.05882352941180	68.18181818181820	0.697552447552447	0.833333333333333	0.576923076923077	42.30769230769230	81.81818181818180	18.18181818181820	57.69230769230770
29	71.50837988826820	73.29842931937170	0.718329525260218	0.777777777777778	0.693069306930693	30.69306930693070	74.35897435897440	25.64102564102560	69.3069306930693
30	74.28571428571430	72.39263803680980	0.745424836601307	0.808219178082192	0.655555555555556	34.44444444444440	83.52941176470590	16.47058823529410	65.55555555555560
31	63.84180790960450	65.95744680851060	0.641168831168831	0.704545454545455	0.62	38.0	66.23376623376620	33.76623376623380	62.0
32	67.24137931034480	65.45454545454550	0.675	0.72	0.6	40.0	75.0	25.0	60.0
33	67.59776536312850	67.41573033707870	0.686075949367089	0.769230769230769	0.6	40.0	77.21518987341770	22.78481012658230	60.0
34	70.87912087912090	70.39106145251400	0.721323529411765	0.818181818181818	0.617647058823529	38.23529411764710	82.5	17.5	61.76470588235290
35	64.80446927374300	62.72189349112430	0.651225306326582	0.697368421052632	0.569892473118280	43.01075268817200	73.25581395348840	26.74418604651160	56.98924731182800
36	65.89595375722540	66.66666666666670	0.671712328767123	0.766233766233766	0.59	41.0	75.34246575342470	24.65753424657530	59.0
37	69.56521739130430	68.88888888888890	0.702857142857143	0.775	0.62	38.0	78.57142857142860	21.42857142857140	62.0
38	68.92655367231640	68.57142857142860	0.696778350515464	0.769230769230769	0.618556701030928	38.14432989690720	77.5	22.5	61.85567010309280
39	68.36158192090400	68.53932584269660	0.710271060324209	0.847222222222222	0.575471698113208	42.45283018867920	84.50704225352110	15.49295774647890	57.54716981132080
40	73.36956521739130	72.31638418079100	0.737942884227989	0.8	0.659793814432990	34.02061855670100	81.60919540229890	18.39080459770120	65.97938144329900
41	71.35135135135140	71.95767195767200	0.718875502008032	0.781609195402299	0.666666666666667	33.33333333333330	77.10843373493980	22.89156626506020	66.66666666666670
42	68.0	67.44186046511630	0.680493859419911	0.698795180722892	0.651685393258427	34.83146067415730	70.93023255813950	29.06976744186050	65.1685393258427
43	67.58241758241760	66.28571428571430	0.675290135396518	0.666666666666667	0.659090909090909	34.09090909090910	69.14893617021280	30.85106382978720	65.9090909090909
44	60.91954022988510	62.22222222222220	0.621732026143791	0.717948717948718	0.549019607843137	45.09803921568630	69.44444444444440	30.55555555555560	54.90196078431370
45	73.83720930232560	71.3375796178344	0.744037940379404	0.835820895522388	0.622222222222222	37.77777777777780	86.58536585365850	13.41463414634150	62.22222222222220
46	72.94117647058820	71.95121951219510	0.741461366181411	0.842857142857143	0.627659574468085	37.23404255319150	85.52631578947370	14.47368421052630	62.76595744680850
47	70.49180327868850	70.65217391304350	0.708103241296519	0.755813953488372	0.663265306122449	33.6734693877551	75.29411764705880	24.70588235294120	66.3265306122449
48	66.10169491525420	68.42105263157900	0.672800956683497	0.773809523809524	0.613207547169811	38.67924528301890	73.23943661971830	26.76056338028170	61.32075471698110
49	70.62146892655370	68.67469879518070	0.708535650396116	0.76	0.626373626373626	37.36263736263740	79.06976744186050	20.93023255813950	62.63736263736260
50	72.1590909090909	71.34502923976610	0.732154508678063	0.824324324324324	0.628865979381443	37.11340206185570	83.54430379746840	16.45569620253160	62.88659793814430
51	71.34502923976610	71.00591715976330	0.721746338767615	0.8	0.638297872340426	36.17021276595750	80.51948051948050	19.48051948051950	63.82978723404260
52	70.0	67.92452830188680	0.700858250276855	0.739726027397260	0.627906976744186	37.2093023255814	77.38095238095240	22.61904761904760	62.7906976744186
53	73.07692307692310	72.31638418079100	0.732470986460348	0.771084337349398	0.680851063829787	31.91489361702130	78.4090909090909	21.59090909090910	68.08510638297870
54	69.49152542372880	67.46987951807230	0.707409793814433	0.811594202898551	0.577319587628866	42.2680412371134	83.75	16.25	57.73195876288660
55	68.78612716763010	66.25	0.697446236559140	0.791044776119403	0.569892473118280	43.01075268817200	82.5	17.5	56.98924731182800
56	69.10112359550560	65.83850931677020	0.692171717171717	0.746478873239437	0.588888888888889	41.11111111111110	79.54545454545460	20.45454545454550	58.88888888888890
57	70.05347593582890	69.89247311827960	0.703282828282828	0.747126436781609	0.656565656565657	34.34343434343430	75.0	25.0	65.65656565656570
58	68.68131868131870	69.1891891891892	0.687984496124031	0.719101123595506	0.666666666666667	33.33333333333330	70.93023255813950	29.06976744186050	66.66666666666670
59	73.48066298342540	75.2577319587629	0.738984316654220	0.802197802197802	0.708737864077670	29.12621359223300	76.92307692307690	23.07692307692310	70.87378640776700
60	61.79775280898880	60.0	0.622467071935157	0.671052631578947	0.542553191489362	45.74468085106380	70.23809523809520	29.76190476190480	54.25531914893620
61	63.63636363636360	61.90476190476190	0.652236652236652	0.753623188405797	0.525252525252525	47.47474747474750	77.92207792207790	22.07792207792210	52.52525252525250
62	68.50828729281770	70.15706806282720	0.689190866219906	0.752808988764045	0.656862745098039	34.31372549019610	72.15189873417720	27.84810126582280	65.68627450980390
63	71.09826589595380	69.87951807228910	0.716451959205583	0.783783783783784	0.630434782608696	36.95652173913040	80.24691358024690	19.75308641975310	63.04347826086960
64	68.44919786096260	66.28571428571430	0.698220064724919	0.805555555555556	0.563106796116505	43.68932038834950	83.33333333333330	16.66666666666670	56.31067961165050
65	71.50837988826820	72.43243243243240	0.722708809342473	0.797619047619048	0.663366336633663	33.66336633663370	78.2051282051282	21.79487179487180	66.33663366336630
66	69.8224852071006	71.8232044198895	0.720192307692308	0.844155844155844	0.625	37.5	81.53846153846150	18.46153846153850	62.5
67	71.11111111111110	72.63157894736840	0.710216718266254	0.726315789473684	0.726315789473684	27.36842105263160	69.41176470588240	30.58823529411770	72.63157894736840
68	67.44186046511630	66.66666666666670	0.678062678062678	0.727272727272727	0.615384615384615	38.46153846153850	74.07407407407410	25.92592592592590	61.53846153846150
69	70.28571428571430	70.45454545454550	0.708992616033755	0.775	0.645833333333333	35.41666666666670	77.21518987341770	22.78481012658230	64.58333333333330
70	66.84491978609630	64.77272727272730	0.677527055031085	0.76	0.564356435643564	43.56435643564360	79.06976744186050	20.93023255813950	56.43564356435640
71	66.66666666666670	65.03067484662580	0.672458791208791	0.736111111111111	0.582417582417583	41.75824175824180	76.25	23.75	58.24175824175830
72	67.97752808988760	68.50828729281770	0.686549034650301	0.756097560975610	0.626262626262626	37.37373737373740	74.68354430379750	25.31645569620250	62.62626262626260
73	69.83240223463690	68.23529411764710	0.698064918851436	0.716049382716049	0.651685393258427	34.83146067415730	74.44444444444440	25.55555555555560	65.1685393258427
74	71.42857142857140	71.42857142857140	0.721341463414634	0.792682926829268	0.65	35.0	79.26829268292680	20.73170731707320	65.0
75	75.0	74.8663101604278	0.755927952576379	0.823529411764706	0.686274509803922	31.37254901960780	82.55813953488370	17.44186046511630	68.62745098039220
76	73.14285714285710	72.51461988304090	0.737194641449961	0.805194805194805	0.659574468085106	34.04255319148940	81.48148148148150	18.51851851851850	65.95744680851060
77	71.91011235955060	70.58823529411760	0.727134146341463	0.810810810810811	0.625	37.5	82.92682926829270	17.07317073170730	62.5
78	69.68085106382980	66.27218934911240	0.696808510638298	0.746666666666667	0.595744680851064	40.42553191489360	79.7872340425532	20.21276595744680	59.57446808510640
79	65.55555555555560	62.65060240963860	0.660316674913409	0.722222222222222	0.553191489361702	44.68085106382980	76.74418604651160	23.25581395348840	55.31914893617020
80	75.84269662921350	73.93939393939400	0.773724489795919	0.910447761194030	0.622448979591837	37.75510204081630	92.5	7.5	62.24489795918370
81	63.24324324324320	61.79775280898880	0.633918128654971	0.662650602409639	0.578947368421053	42.10526315789470	68.88888888888890	31.11111111111110	57.89473684210530
82	70.1086956521739	67.06586826347310	0.706439393939394	0.788732394366197	0.583333333333333	41.66666666666670	82.95454545454550	17.04545454545450	58.33333333333330
83	67.05202312138730	66.66666666666670	0.675201612903226	0.730769230769231	0.612903225806452	38.70967741935480	73.75	26.25	61.29032258064520
84	67.79661016949150	68.15642458100560	0.683182989690722	0.743902439024390	0.628865979381443	37.11340206185570	73.75	26.25	62.88659793814430
85	70.05649717514130	69.364161849711	0.703533026113671	0.75	0.645161290322581	35.48387096774190	76.19047619047620	23.80952380952380	64.51612903225810
86	67.97752808988760	66.66666666666670	0.681875631951466	0.721518987341772	0.619565217391304	38.04347826086960	74.4186046511628	25.58139534883720	61.95652173913040
87	68.57142857142860	68.92655367231640	0.694341372912802	0.772151898734177	0.622448979591837	37.75510204081630	76.62337662337660	23.37662337662340	62.24489795918370
88	64.80446927374300	64.40677966101690	0.67007722007722	0.791666666666667	0.542857142857143	45.71428571428570	79.72972972972970	20.27027027027030	54.28571428571430
89	70.15706806282720	70.46632124352330	0.707530454042082	0.772727272727273	0.647619047619048	35.23809523809520	76.74418604651160	23.25581395348840	64.76190476190480
90	62.82722513089010	64.67661691542290	0.633530991273215	0.706521739130435	0.596330275229358	40.36697247706420	67.07317073170730	32.92682926829270	59.63302752293580
91	73.07692307692310	71.67630057803470	0.734361766485179	0.794871794871795	0.652631578947369	34.73684210526320	81.60919540229890	18.39080459770120	65.26315789473690
92	70.28571428571430	67.90123456790120	0.712306277909115	0.808823529411765	0.585106382978723	41.48936170212770	83.9506172839506	16.04938271604940	58.51063829787230
93	70.65217391304350	68.96551724137930	0.710227272727273	0.769230769230769	0.625	37.5	79.54545454545460	20.45454545454550	62.5
94	71.67630057803470	70.65868263473050	0.718365436062065	0.756410256410256	0.662921348314607	33.70786516853930	77.38095238095240	22.61904761904760	66.29213483146070
95	70.8108108108108	69.31818181818180	0.720706354831089	0.824324324324324	0.598039215686275	40.19607843137260	84.33734939759040	15.66265060240960	59.80392156862750
96	70.55555555555560	70.39106145251400	0.721409658302862	0.828947368421053	0.611650485436893	38.83495145631070	83.11688311688310	16.88311688311690	61.16504854368930
97	79.12087912087910	80.41237113402060	0.8	0.876404494382023	0.742857142857143	25.71428571428570	85.71428571428570	14.28571428571430	74.28571428571430
98	68.63905325443790	69.71428571428570	0.691134751773050	0.753086419753086	0.648936170212766	35.1063829787234	73.33333333333330	26.66666666666670	64.8936170212766
99	69.10112359550560	67.45562130177520	0.693503538928210	0.740259740259740	0.619565217391304	38.04347826086960	76.74418604651160	23.25581395348840	61.95652173913040
Mean	**69.50568200738710**	**68.92167000765400**	**0.702543760357795**	**0.774514049856371**	**0.622914404832418**	**37.7085595167583**	**78.2173115883172**	**21.7826884116828**	**62.2914404832418**
Standard Deviation	3.18650849777672	3.34064486755615	0.031546048287847	0.046647983501081	0.042461087024595	4.24610870245951	5.07614064185606	5.07614064185606	4.24610870245951
T Test Significance (Female to Male)									

Experiment 3.1.3 (Unbalanced training data, with feature selection) - Support Vector Classifier

		UB_Accuracy	UB_FScore	UB_ROC_AUC	UB_Precision	UB_Recall	UB_F_Accuracy	UB_F_FScore	UB_F_ROC_AUC	UB_F_Precision	UB_F_Recall	UB_F_FNR	UB_F_TNR	UB_F_FPR	UB_F_TPR	UB_M_Accuracy	UB_M_FScore	UB_M_ROC_AUC	UB_M_Precision	UB_M_Recall	UB_M_FNR	UB_M_TNR	UB_M_FPR	UB_M_TPR
0		73.2	67.6328502415459	0.743965074473549	0.933333333333333	0.530303030303030	73.17073170731710	57.69230769230770	0.702702702702703	1.0	0.405405405405405	59.45945945945950	100.0	0.0	40.54054054054050	73.21428571428570	70.96774193548390	0.755227108868061	0.916666666666667	0.578947368421053	42.10526315789470	93.15068493150690	6.849315068493150	57.89473684210530
1		72.40000000000000	66.98564593301440	0.720478995901639	0.804597701149425	0.573770491803279	74.28571428571430	65.38461538461540	0.726151315789474	0.85	0.53125	46.875	92.10526315789470	7.894736842105260	53.125	71.66666666666670	67.51592356687900	0.716666666666667	0.791044776119403	0.588888888888889	41.11111111111110	84.44444444444440	15.55555555555560	58.88888888888890
2		68.0	63.96396396396400	0.697177184936374	0.835294117647059	0.518248175182482	65.51724137931040	47.36842105263160	0.655172413793103	1.0	0.310344827586207	68.96551724137930	100.0	0.0	31.03448275862070	68.75	67.3913043478261	0.703703703703704	0.815789473684211	0.574074074074074	42.59259259259260	83.33333333333330	16.66666666666670	57.40740740740740
3		68.0	63.30275229357800	0.698727472385505	0.851851851851852	0.503649635036496	71.42857142857140	41.17647058823530	0.613224637681160	0.7	0.291666666666667	70.83333333333330	93.47826086956520	6.521739130434780	29.16666666666670	66.66666666666670	67.3913043478261	0.707172104081363	0.873239436619718	0.548672566371681	45.13274336283190	86.56716417910450	13.43283582089550	54.86725663716810
4		69.20000000000000	61.69154228855720	0.692000000000000	0.815789473684211	0.496	70.1492537313433	52.38095238095240	0.669819819819820	0.916666666666667	0.366666666666667	63.33333333333330	97.2972972972973	2.702702702702700	36.66666666666670	68.85245901639340	64.15094339622640	0.694557416267943	0.796875	0.536842105263158	46.31578947368420	85.22727272727270	14.77272727272730	53.68421052631580
5		66.4	59.22330097087380	0.670318406047793	0.792207792207792	0.472868217054264	69.86301369863010	45.00000000000000	0.632445141065831	0.818181818181818	0.310344827586207	68.96551724137930	95.45454545454550	4.545454545454550	31.03448275862070	64.97175141242940	62.65060240963860	0.669090909090909	0.787878787878788	0.52	48.0	81.81818181818180	18.18181818181820	52.0
6		70.0	64.45497630331750	0.701292882744496	0.8	0.539682539682540	71.42857142857140	50.0	0.655680224403927	0.846153846153846	0.354838709677419	64.51612903225810	95.65217391304350	4.347826086956520	35.48387096774190	69.36416184971100	68.26347305389220	0.703846153846154	0.791666666666667	0.6	40.0	80.76923076923080	19.23076923076920	60.0
7		64.8	57.28155339805830	0.652599897540984	0.756410256410256	0.4609375	57.97101449275360	38.29787234042550	0.553056027164686	0.5625	0.290322580645161	70.96774193548390	81.57894736842110	18.42105263157890	29.03225806451610	67.40331491712710	62.89308176100630	0.686303387334315	0.806451612903226	0.515463917525773	48.45360824742270	85.71428571428570	14.28571428571430	51.54639175257730
8		69.20000000000000	63.1578947368421	0.699679487179487	0.835443037974684	0.507692307692308	68.29268292682930	48.0	0.644927536231884	0.857142857142857	0.333333333333333	66.66666666666670	95.65217391304350	4.347826086956520	33.33333333333330	69.64285714285710	67.92452830188680	0.712909718228867	0.830769230769231	0.574468085106383	42.5531914893617	85.13513513513510	14.86486486486490	57.44680851063830
9		67.2	58.58585858585860	0.658097022156192	0.682352941176471	0.513274336283186	67.53246753246750	44.44444444444440	0.613475177304965	0.666666666666667	0.333333333333333	66.66666666666670	89.36170212765960	10.63829787234040	33.33333333333330	67.05202312138730	62.74509803921570	0.666934404283802	0.685714285714286	0.578313253012048	42.16867469879520	75.55555555555560	24.44444444444440	57.83132530120480
10		70.40000000000000	65.09433962264150	0.702828981054787	0.784090909090909	0.556451612903226	82.08955223880600	71.42857142857140	0.777616279069768	0.833333333333333	0.625	37.5	93.02325581395350	6.976744186046510	62.5	66.12021857923500	63.52941176470590	0.673614457831325	0.771428571428572	0.54	46.0	80.72289156626510	19.27710843373490	54.0
11		70.0	64.78873239436620	0.695976680120443	0.75	0.570247933884298	70.4225352112676	53.33333333333330	0.656146179401993	0.705882352941177	0.428571428571429	57.14285714285710	88.37209302325580	11.62790697674420	42.85714285714290	69.83240223463690	67.85714285714290	0.701800450112528	0.76	0.612903225806452	38.70967741935480	79.06976744186050	20.93023255813950	61.29032258064520
12		66.8	64.68085106382980	0.680027130030360	0.775510204081633	0.554744525547445	70.66666666666670	50.0	0.65	0.785714285714286	0.366666666666667	63.33333333333330	93.33333333333330	6.666666666666670	36.66666666666670	65.14285714285720	68.06282722513090	0.664032435404068	0.773809523809524	0.607476635514019	39.25233644859810	72.05882352941180	27.94117647058820	60.74766355140190
13		70.8	60.96256684491980	0.697511065494900	0.838235294117647	0.478991596638656	73.80952380952380	54.16666666666670	0.674278846153846	0.8125	0.40625	59.375	94.23076923076920	5.769230769230770	40.625	69.27710843373490	63.30935251798560	0.702240651825986	0.846153846153846	0.505747126436782	49.42528735632180	89.87341772151900	10.12658227848100	50.57471264367820
14		71.6	66.97674418604650	0.718423916522630	0.818181818181818	0.566929133858268	76.11940298507460	52.94117647058820	0.672924901185771	0.818181818181818	0.391304347826087	60.86956521739130	95.45454545454550	4.545454545454550	39.13043478260870	69.94535519125680	69.61325966850830	0.714277020447907	0.818181818181818	0.605769230769231	39.42307692307690	82.27848101265820	17.72151898734180	60.57692307692310
15		69.6	62.74509803921570	0.697516641065028	0.820512820512821	0.507936507936508	66.26506024096390	46.15384615384620	0.629553466509988	0.8	0.324324324324324	67.56756756756760	93.47826086956520	6.521739130434780	32.43243243243240	71.25748502994010	68.42105263157900	0.721622010947854	0.825396825396825	0.584269662921348	41.57303370786520	85.8974358974359	14.10256410256410	58.42696629213480
16		66.8	61.75115207373270	0.675893258066586	0.779069767441861	0.511450381679389	67.53246753246750	50.98039215686280	0.65	0.8125	0.371428571428571	62.85714285714290	92.85714285714290	7.142857142857140	37.14285714285710	66.47398843930640	65.06024096385540	0.677353896103896	0.771428571428572	0.5625	43.75	79.22077922077920	20.77922077922080	56.25
17		70.40000000000000	61.45833333333330	0.704	0.880597014925373	0.472	76.05633802816900	54.05405405405410	0.681196581196581	0.909090909090909	0.384615384615385	61.53846153846150	97.77777777777780	2.222222222222220	38.46153846153850	68.15642458100560	63.22580645161290	0.703724747474747	0.875	0.494949494949495	50.50505050505050	91.25	8.75	49.49494949494950
18		73.6	67.96116504854370	0.734639016897081	0.853658536585366	0.564516129032258	75.36231884057970	51.42857142857140	0.665277777777778	0.818181818181818	0.375	62.5	95.55555555555560	4.444444444444450	37.5	72.92817679558010	71.34502923976610	0.743271604938272	0.859154929577465	0.61	39.0	87.65432098765430	12.34567901234570	61.0
19		68.8	64.54545454545450	0.695362114311373	0.797752808988764	0.541984732824428	75.0	63.41463414634150	0.720588235294118	0.866666666666667	0.5	50.0	94.11764705882350	5.88235294117647	50.0	66.84210526315790	64.80446927374300	0.682072829131653	0.783783783783784	0.552380952380952	44.76190476190480	81.17647058823530	18.82352941176470	55.23809523809520
20		72.40000000000000	68.4931506849315	0.736747297992795	0.882352941176471	0.559701492537313	77.19298245614030	64.86486486486490	0.74	1.0	0.48	52.0	100.0	0.0	48.0	70.98445595854920	69.23076923076920	0.729467016164264	0.863013698630137	0.577981651376147	42.20183486238530	88.09523809523810	11.90476190476190	57.79816513761470
21		71.2	65.0485436893204	0.704352850539291	0.761363636363636	0.567796610169492	71.83098591549300	47.36842105263160	0.634308510638298	0.642857142857143	0.375	62.5	89.36170212765960	10.63829787234040	37.5	70.94972067039110	69.04761904761910	0.714392991239049	0.783783783783784	0.617021276595745	38.29787234042550	81.17647058823530	18.82352941176470	61.70212765957450
22		69.20000000000000	65.15837104072400	0.696425139342687	0.782608695652174	0.558139534883721	76.19047619047620	63.41463414634150	0.726851851851852	0.928571428571429	0.481481481481481	51.85185185185190	97.22222222222220	2.777777777777780	48.14814814814810	66.84491978609630	65.55555555555560	0.677450980392157	0.756410256410256	0.578431372549020	42.15686274509800	77.64705882352940	22.35294117647060	57.84313725490200
23		69.20000000000000	63.50710900473930	0.694673836502145	0.797619047619048	0.527559055118110	75.67567567567570	62.5	0.715909090909091	0.833333333333333	0.5	50.0	93.18181818181820	6.818181818181820	50.0	66.47727272727270	63.80368098159510	0.679433642176693	0.787878787878788	0.536082474226804	46.39175257731960	82.27848101265820	17.72151898734180	53.60824742268040
24		72.40000000000000	67.6056338028169	0.722862263184844	0.808988764044944	0.580645161290323	73.4375	56.41025641025640	0.690190190190190	0.916666666666667	0.407407407407407	59.25925925925930	97.2972972972973	2.702702702702700	40.74074074074070	72.04301075268820	70.11494252873560	0.724545349241283	0.792207792207792	0.628865979381443	37.11340206185570	82.02247191011240	17.97752808988760	62.88659793814430
25		70.40000000000000	61.85567010309280	0.689628482972136	0.75	0.526315789473684	70.0	40.0	0.611888111888112	0.777777777777778	0.269230769230769	73.07692307692310	95.45454545454550	4.545454545454550	26.92307692307690	70.55555555555560	66.66666666666670	0.703310276679842	0.746478873239437	0.602272727272727	39.77272727272730	80.43478260869570	19.56521739130430	60.22727272727270
26		66.0	61.88340807174890	0.662973872950820	0.726315789473684	0.5390625	69.35483870967740	48.64864864864860	0.652380952380952	0.9	0.333333333333333	66.66666666666670	97.14285714285710	2.857142857142860	33.33333333333330	64.8936170212766	64.51612903225810	0.653351542050757	0.705882352941177	0.594059405940594	40.5940594059406	71.26436781609200	28.73563218390800	59.4059405940594
27		73.6	67.0	0.724006707946337	0.779069767441861	0.587719298245614	71.60493827160490	43.90243902439030	0.620370370370370	0.642857142857143	0.333333333333333	66.66666666666670	90.74074074074080	9.25925925925926	33.33333333333330	74.55621301775150	72.95597484276730	0.747967479674797	0.805555555555556	0.666666666666667	33.33333333333330	82.92682926829270	17.07317073170730	66.66666666666670
28		69.6	62.0	0.692977402214967	0.805194805194805	0.504065040650407	71.42857142857140	44.44444444444440	0.636520241171404	0.888888888888889	0.296296296296296	70.37037037037040	97.67441860465120	2.325581395348840	29.62962962962960	68.88888888888890	65.85365853658540	0.697916666666667	0.794117647058824	0.5625	43.75	83.33333333333330	16.66666666666670	56.25
29		65.60000000000000	59.04761904761910	0.658728634530440	0.746987951807229	0.488188976377953	72.94117647058820	56.60377358490570	0.679195804195804	0.75	0.454545454545455	54.54545454545450	90.38461538461540	9.615384615384620	45.45454545454550	61.81818181818180	59.87261146496820	0.637323943661972	0.746031746031746	0.5	50.0	77.46478873239440	22.53521126760560	50.0
30		70.40000000000000	62.24489795918370	0.704	0.859154929577465	0.488	71.7948717948718	52.17391304347830	0.661633493479753	0.8	0.387096774193548	61.29032258064520	93.61702127659580	6.382978723404260	38.70967741935480	69.76744186046510	65.33333333333330	0.715766503000546	0.875	0.521276595744681	47.87234042553190	91.02564102564100	8.974358974358970	52.12765957446810
31		74.8	71.74887892376680	0.756420133538778	0.879120879120879	0.606060606060606	76.05633802816900	62.22222222222220	0.721138211382114	0.933333333333333	0.466666666666667	53.33333333333330	97.5609756097561	2.439024390243900	46.66666666666670	74.30167597765360	74.15730337078650	0.758594346829641	0.868421052631579	0.647058823529412	35.29411764705880	87.01298701298700	12.98701298701300	64.70588235294120
32		72.0	66.34615384615380	0.724449282786885	0.8625	0.5390625	68.33333333333330	51.28205128205130	0.648190045248869	0.769230769230769	0.384615384615385	61.53846153846150	91.17647058823530	8.823529411764710	38.46153846153850	73.15789473684210	69.8224852071006	0.743761140819964	0.880597014925373	0.578431372549020	42.15686274509800	90.9090909090909	9.090909090909090	57.84313725490200
33		71.6	66.02870813397130	0.721987315010571	0.8625	0.534883720930233	70.3125	42.42424242424240	0.627179487179487	0.875	0.28	72.0	97.43589743589740	2.564102564102560	28.00000000000000	72.04301075268820	70.45454545454550	0.737101313320826	0.861111111111111	0.596153846153846	40.38461538461540	87.8048780487805	12.19512195121950	59.61538461538460
34		72.40000000000000	66.66666666666670	0.720286885245902	0.811764705882353	0.565573770491803	77.61194029850750	61.53846153846150	0.722222222222222	1.0	0.444444444444444	55.55555555555560	100.0	0.0	44.44444444444440	70.49180327868850	67.85714285714290	0.709090909090909	0.780821917808219	0.6	40.0	81.81818181818180	18.18181818181820	60.0
35		70.0	62.31155778894470	0.707252226279710	0.885714285714286	0.480620155038760	75.67567567567570	50.0	0.659591836734694	0.818181818181818	0.36	64.0	95.91836734693880	4.081632653061230	36.0	67.61363636363640	65.03067484662580	0.713141025641026	0.898305084745763	0.509615384615385	49.03846153846150	91.66666666666670	8.333333333333330	50.96153846153850
36		68.8	61.0	0.691376992510083	0.835616438356164	0.480314960629921	71.25	48.88888888888890	0.651041666666667	0.846153846153846	0.34375	65.625	95.83333333333330	4.166666666666670	34.375	67.64705882352940	64.51612903225810	0.696491228070175	0.833333333333333	0.526315789473684	47.36842105263160	86.66666666666670	13.33333333333330	52.63157894736840
37		72.8	67.9245283018868	0.744927536231884	0.935064935064935	0.533333333333333	69.1358024691358	44.44444444444450	0.636420525657071	0.909090909090909	0.294117647058824	70.58823529411770	97.87234042553190	2.127659574468090	29.41176470588240	74.55621301775150	74.25149700598800	0.777518928363425	0.939393939393939	0.613861386138614	38.61386138613860	94.11764705882350	5.88235294117647	61.38613861386140
38		70.40000000000000	62.24489795918370	0.695233818718327	0.792207792207792	0.512605042016807	71.21212121212120	51.28205128205130	0.659544159544160	0.833333333333333	0.370370370370370	62.96296296296300	94.87179487179490	5.128205128205130	37.03703703703700	70.1086956521739	64.96815286624210	0.701086956521739	0.784615384615385	0.554347826086957	44.56521739130430	84.78260869565220	15.21739130434780	55.43478260869570
39		74.0	68.89952153110050	0.736488217213115	0.827586206896552	0.590163934426230	77.94117647058820	61.53846153846150	0.716744186046512	0.857142857142857	0.48	52.0	95.34883720930230	4.651162790697680	48.0	72.52747252747250	70.58823529411760	0.732807762280170	0.821917808219178	0.618556701030928	38.14432989690720	84.70588235294120	15.29411764705880	61.85567010309280
40		70.0	66.0633484162896	0.705769230769231	0.802197802197802	0.561538461538462	67.64705882352940	47.61904761904760	0.620879120879121	0.625	0.384615384615385	61.53846153846150	85.71428571428570	14.28571428571430	38.46153846153850	70.87912087912090	70.39106145251400	0.725961538461538	0.84	0.605769230769231	39.42307692307690	84.61538461538460	15.38461538461540	60.57692307692310
41		74.0	70.31963470319640	0.742173996543115	0.836956521739131	0.606299212598425	72.36842105263160	57.14285714285720	0.7	1.0	0.4	60.0	100.0	0.0	40.0	74.71264367816090	74.11764705882360	0.75092788971368	0.807692307692308	0.684782608695652	31.52173913043480	81.70731707317070	18.29268292682930	68.47826086956520
42		68.8	64.22018348623850	0.689068100358423	0.760869565217391	0.555555555555556	72.22222222222220	56.52173913043480	0.680952380952381	0.8125	0.433333333333333	56.66666666666670	92.85714285714290	7.142857142857140	43.33333333333330	67.41573033707870	66.27906976744190	0.681021341463415	0.75	0.59375	40.625	76.82926829268290	23.17073170731710	59.375
43		69.6	64.81481481481480	0.696	0.769230769230769	0.56	68.35443037974680	44.44444444444440	0.619623655913978	0.714285714285714	0.322580645161290	67.74193548387100	91.66666666666670	8.333333333333330	32.25806451612900	70.17543859649120	70.17543859649120	0.708759325780602	0.779220779220779	0.638297872340426	36.17021276595750	77.92207792207790	22.07792207792210	63.82978723404260
44		68.4	61.46341463414630	0.687055886306895	0.807692307692308	0.496062992125984	65.0	39.13043478260870	0.593810444874275	0.692307692307692	0.272727272727273	72.72727272727270	91.48936170212770	8.51063829787234	27.27272727272730	70.0	67.92452830188680	0.714865621500560	0.830769230769231	0.574468085106383	42.5531914893617	85.52631578947370	14.47368421052630	57.44680851063830
45		68.8	62.85714285714290	0.688000000000000	0.776470588235294	0.528	70.83333333333330	51.16279069767440	0.659523809523810	0.846153846153846	0.366666666666667	63.33333333333330	95.23809523809520	4.761904761904760	36.66666666666670	67.97752808988760	65.86826347305390	0.687064045656309	0.763888888888889	0.578947368421053	42.10526315789470	79.51807228915660	20.48192771084340	57.89473684210530
46		70.0	63.41463414634150	0.698604710701485	0.802469135802469	0.524193548387097	70.4225352112676	40.0	0.607391304347826	0.7	0.28	72.0	93.47826086956520	6.521739130434780	28.00000000000000	69.83240223463690	68.23529411764710	0.711679292929293	0.816901408450704	0.585858585858586	41.41414141414140	83.75	16.25	58.58585858585860
47		70.40000000000000	61.45833333333330	0.686629075118284	0.728395061728395	0.531531531531532	67.14285714285710	43.90243902439030	0.608527131782946	0.642857142857143	0.333333333333333	66.66666666666670	88.37209302325580	11.62790697674420	33.33333333333330	71.66666666666670	66.2251655629139	0.709077380952381	0.746268656716418	0.595238095238095	40.47619047619050	82.29166666666670	17.70833333333330	59.52380952380950
48		76.0	69.38775510204080	0.749244907139644	0.860759493670886	0.581196581196581	79.1044776119403	61.11111111111110	0.717538759689922	0.916666666666667	0.458333333333333	54.16666666666670	97.67441860465120	2.325581395348840	45.83333333333330	74.86338797814210	71.25000000000000	0.750896057347670	0.850746268656716	0.612903225806452	38.70967741935480	88.88888888888890	11.11111111111110	61.29032258064520
49		66.4	58.41584158415840	0.676874678993323	0.842857142857143	0.446969696969697	71.21212121212120	34.48275862068970	0.604166666666667	1.0	0.208333333333333	79.16666666666670	100.0	0.0	20.83333333333330	64.67391304347830	62.42774566473990	0.677631578947369	0.830769230769231	0.5	50.0	85.52631578947370	14.47368421052630	50.0
50		73.2	65.98984771573610	0.727330942622951	0.866666666666667	0.532786885245902	74.24242424242430	56.41025641025640	0.686538461538462	0.846153846153846	0.423076923076923	57.69230769230770	95.0	5.0	42.30769230769230	72.82608695652170	68.35443037974680	0.735795454545455	0.870967741935484	0.5625	43.75	90.9090909090909	9.090909090909090	56.25
51		72.0	67.28971962616820	0.723872950819672	0.837209302325581	0.5625	79.66101694915250	53.84615384615390	0.682249322493225	0.875	0.388888888888889	61.11111111111110	97.5609756097561	2.439024390243900	38.88888888888890	69.63350785340320	69.14893617021280	0.715207631874299	0.833333333333333	0.590909090909091	40.90909090909090	83.9506172839506	16.04938271604940	59.09090909090910
52		72.0	65.68627450980390	0.710434894493052	0.761363636363636	0.577586206896552	73.13432835820900	47.05882352941180	0.643410852713178	0.8	0.333333333333333	66.66666666666670	95.34883720930230	4.651162790697680	33.33333333333330	71.58469945355190	69.41176470588240	0.716256569517439	0.756410256410256	0.641304347826087	35.86956521739130	79.12087912087910	20.87912087912090	64.13043478260870
53		68.8	62.85714285714290	0.703165208440556	0.868421052631579	0.492537313432836	70.66666666666670	45.00000000000000	0.638888888888889	0.9	0.3	70.0	97.77777777777780	2.222222222222220	30.0	68.0	67.05882352941180	0.710658179848321	0.863636363636364	0.548076923076923	45.19230769230770	87.32394366197180	12.67605633802820	54.80769230769230
54		64.8	54.63917525773200	0.653752561475410	0.803030303030303	0.4140625	75.36231884057970	45.16129032258070	0.641304347826087	0.875	0.304347826086957	69.56521739130430	97.82608695652170	2.173913043478260	30.43478260869570	60.77348066298340	56.44171779141110	0.640100250626566	0.793103448275862	0.438095238095238	56.19047619047620	84.21052631578950	15.78947368421050	43.80952380952380
55		68.0	59.59595959595960	0.675397028688525	0.776315789473684	0.483606557377049	72.72727272727270	35.71428571428570	0.589025755879059	0.555555555555556	0.263157894736842	73.68421052631580	91.48936170212770	8.51063829787234	26.31578947368420	66.30434782608700	63.52941176470590	0.681889008749850	0.805970149253731	0.524271844660194	47.57281553398060	83.9506172839506	16.04938271604940	52.42718446601940
56		70.8	65.40284360189570	0.712154200819672	0.831325301204819	0.5390625	72.22222222222220	47.36842105263160	0.649350649350649	0.9	0.321428571428571	67.85714285714290	97.72727272727270	2.272727272727270	32.14285714285710	70.2247191011236	69.364161849711	0.716666666666667	0.821917808219178	0.6	40.0	83.33333333333330	16.66666666666670	60.0
57		68.4	59.06735751295340	0.678919057377049	0.802816901408451	0.467213114754098	76.0	47.05882352941180	0.647058823529412	0.8	0.333333333333333	66.66666666666670	96.07843137254900	3.921568627450980	33.33333333333330	65.14285714285720	61.63522012578620	0.672077922077922	0.803278688524590	0.5	50.0	84.4155844155844	15.58441558441560	50.0
58		72.40000000000000	68.49315068493150	0.730128205128205	0.842696629213483	0.576923076923077	73.61111111111110	45.71428571428570	0.642976588628763	0.888888888888889	0.307692307692308	69.23076923076920	97.82608695652170	2.173913043478260	30.76923076923080	71.91011235955060	72.82608695652170	0.734277546775547	0.8375	0.644230769230769	35.57692307692310	82.43243243243240	17.56756756756760	64.42307692307690
59		70.0	64.11483253588520	0.696465163934426	0.770114942528736	0.549180327868853	72.22222222222220	44.44444444444440	0.628085106382979	0.727272727272727	0.32	68.0	93.61702127659580	6.382978723404260	32.0	69.10112359550560	68.20809248554910	0.699185439735268	0.776315789473684	0.608247422680412	39.17525773195880	79.01234567901230	20.98765432098770	60.82474226804120
60		70.8	67.55555555555560	0.722394220846233	0.853932584269663	0.558823529411765	77.04918032786890	65.0	0.735714285714286	0.928571428571429	0.5	50.0	97.14285714285710	2.857142857142860	50.0	68.78306878306880	68.10810810810810	0.710414269275029	0.84	0.572727272727273	42.72727272727270	84.81012658227850	15.18987341772150	57.27272727272730
61		73.2	66.99507389162560	0.732000000000000	0.871794871794872	0.544	75.36231884057970	54.05405405405410	0.680679785330948	0.909090909090909	0.384615384615385	61.53846153846150	97.67441860465120	2.325581395348840	38.46153846153850	72.37569060773480	69.87951807228910	0.738051244148805	0.865671641791045	0.585858585858586	41.41414141414140	89.02439024390250	10.97560975609760	58.58585858585860
62		68.4	57.75401069518720	0.668115942028986	0.75	0.469565217391304	72.22222222222220	44.44444444444440	0.632107023411371	0.8	0.307692307692308	69.23076923076920	95.65217391304350	4.347826086956520	30.76923076923080	66.85393258426970	60.9271523178808	0.668539325842697	0.741935483870968	0.516853932584270	48.31460674157300	82.02247191011240	17.97752808988760	51.68539325842700
63		67.2	58.16326530612250	0.667200307377049	0.770270270270270	0.467213114754098	66.66666666666670	38.09523809523810	0.591666666666667	0.666666666666667	0.266666666666667	73.33333333333330	91.66666666666670	8.333333333333330	26.66666666666670	67.44186046511630	63.63636363636360	0.685054347826087	0.790322580645161	0.532608695652174	46.73913043478260	83.75	16.25	53.2608695652174
64		72.40000000000000	65.67164179104480	0.722478238607271	0.857142857142857	0.532258064516129	78.37837837837840	55.55555555555560	0.689795918367347	0.909090909090909	0.4	60.0	97.95918367346940	2.040816326530610	40.0	69.88636363636360	67.87878787878790	0.717893217893218	0.848484848484849	0.565656565656566	43.43434343434340	87.01298701298700	12.98701298701300	56.56565656565660
65		70.40000000000000	67.2566371681416	0.714616572310859	0.826086956521739	0.567164179104478	74.24242424242430	56.41025641025640	0.683414634146342	0.785714285714286	0.44	56.00000000000000	92.6829268292683	7.317073170731710	44.0	69.02173913043480	69.5187165775401	0.711498470948012	0.833333333333333	0.596330275229358	40.36697247706420	82.66666666666670	17.33333333333330	59.63302752293580
66		69.6	64.48598130841120	0.710048893463716	0.8625	0.514925373134328	72.22222222222220	44.44444444444440	0.637037037037037	0.888888888888889	0.296296296296296	70.37037037037040	97.77777777777780	2.222222222222220	29.62962962962960	68.53932584269660	68.53932584269660	0.714624193760695	0.859154929577465	0.570093457943925	42.99065420560750	85.91549295774650	14.08450704225350	57.00934579439250
67		72.40000000000000	68.20276497695850	0.718494955337061	0.74	0.632478632478633	76.81159420289860	57.89473684210530	0.695833333333333	0.785714285714286	0.458333333333333	54.16666666666670	93.33333333333330	6.666666666666670	45.83333333333330	70.71823204419890	70.39106145251400	0.708027859237537	0.732558139534884	0.677419354838710	32.25806451612900	73.86363636363640	26.13636363636360	67.74193548387100
68		70.40000000000000	65.09433962264150	0.699852649112691	0.758241758241758	0.570247933884298	70.58823529411770	47.36842105263160	0.637362637362637	0.75	0.346153846153846	65.38461538461540	92.85714285714290	7.142857142857140	34.61538461538460	70.32967032967030	68.9655172413793	0.706594071385360	0.759493670886076	0.631578947368421	36.84210526315790	78.16091954022990	21.83908045977010	63.1578947368421
69		67.2	61.32075471698110	0.690724974200207	0.855263157894737	0.477941176470588	72.22222222222220	56.52173913043480	0.680952380952381	0.8125	0.433333333333333	56.66666666666670	92.85714285714290	7.142857142857140	43.33333333333330	65.1685393258427	62.65060240963860	0.689727463312369	0.866666666666667	0.490566037735849	50.94339622641510	88.88888888888890	11.11111111111110	49.05660377358490
70		72.40000000000000	64.24870466321240	0.713469440164355	0.826666666666667	0.525423728813559	74.66666666666670	55.81395348837210	0.693548387096774	1.0	0.387096774193548	61.29032258064520	100.0	0.0	38.70967741935480	71.42857142857140	66.66666666666670	0.713492685475444	0.793650793650794	0.574712643678161	42.5287356321839	85.22727272727270	14.77272727272730	57.47126436781610
71		68.8	64.54545454545450	0.695362114311373	0.797752808988764	0.541984732824428	72.58064516129030	54.05405405405410	0.685185185185185	1.0	0.370370370370370	62.96296296296300	100.0	0.0	37.03703703703700	67.5531914893617	66.66666666666670	0.686126373626374	0.772151898734177	0.586538461538462	41.34615384615390	78.57142857142860	21.42857142857140	58.65384615384620
72		69.20000000000000	64.51612903225810	0.701592193117617	0.823529411764706	0.530303030303030	69.86301369863010	54.16666666666670	0.671969696969697	0.866666666666667	0.393939393939394	60.60606060606060	95.0	5.0	39.39393939393940	68.92655367231640	67.45562130177520	0.704545454545455	0.814285714285714	0.575757575757576	42.42424242424240	83.33333333333330	16.66666666666670	57.57575757575760
73		68.4	64.57399103139010	0.70082681997287	0.837209302325581	0.525547445255475	65.15151515151520	41.02564102564100	0.596866096866097	0.666666666666667	0.296296296296296	70.37037037037040	89.74358974358980	10.25641025641030	29.62962962962960	69.56521739130430	69.56521739130430	0.723341523341523	0.864864864864865	0.581818181818182	41.81818181818180	86.48648648648650	13.51351351351350	58.18181818181820
74		68.0	61.90476190476190	0.681323604710702	0.773809523809524	0.515873015873016	69.11764705882350	48.78048780487810	0.636404697380307	0.714285714285714	0.370370370370370	62.96296296296300	90.2439024390244	9.75609756097561	37.03703703703700	67.58241758241760	65.08875739644970	0.687416331994645	0.785714285714286	0.555555555555556	44.44444444444440	81.92771084337350	18.07228915662650	55.55555555555560
75		76.8	69.14893617021280	0.750323498964803	0.855263157894737	0.580357142857143	82.35294117647060	50.0	0.668269230769231	0.75	0.375	62.5	96.15384615384620	3.846153846153850	37.5	74.72527472527470	71.95121951219510	0.754966085271318	0.867647058823529	0.614583333333333	38.54166666666670	89.53488372093020	10.46511627906980	61.45833333333330
76		65.60000000000000	54.73684210526320	0.652326995710902	0.776119402985075	0.422764227642276	67.56756756756760	42.85714285714290	0.621905476369092	0.818181818181818	0.290322580645161	70.96774193548390	95.34883720930230	4.651162790697680	29.03225806451610	64.77272727272730	58.10810810810810	0.656314699792961	0.767857142857143	0.467391304347826	53.2608695652174	84.52380952380950	15.47619047619050	46.73913043478260
77		70.40000000000000	63.72549019607840	0.699987192622951	0.792682926829268	0.532786885245902	69.56521739130430	48.78048780487800	0.653846153846154	0.909090909090909	0.333333333333333	66.66666666666670	97.43589743589740	2.564102564102560	33.33333333333330	70.71823204419890	67.48466257668710	0.709025403028823	0.774647887323944	0.597826086956522	40.21739130434780	82.02247191011240	17.97752808988760	59.78260869565220
78		72.40000000000000	66.66666666666670	0.728547643442623	0.873417721518987	0.5390625	72.3076923076923	55.00000000000000	0.677387914230020	0.846153846153846	0.407407407407407	59.25925925925930	94.73684210526320	5.263157894736840	40.74074074074070	72.43243243243240	69.46107784431140	0.739509665252240	0.878787878787879	0.574257425742574	42.57425742574260	90.47619047619050	9.523809523809520	57.42574257425740
79		74.0	70.31963470319630	0.751012145748988	0.895348837209302	0.578947368421053	72.3076923076923	50.0	0.655000000000000	0.818181818181818	0.36	64.0	95.0	5.0	36.0	74.5945945945946	74.31693989071040	0.769360269360270	0.906666666666667	0.629629629629630	37.03703703703700	90.9090909090909	9.090909090909090	62.96296296296300
80		70.0	63.41463414634150	0.701484895033282	0.822784810126582	0.515873015873016	66.21621621621620	48.97959183673470	0.633037694013304	0.75	0.363636363636364	63.63636363636360	90.2439024390244	9.75609756097561	36.36363636363640	71.5909090909091	67.94871794871800	0.724705272703718	0.841269841269841	0.569892473118280	43.01075268817200	87.95180722891570	12.04819277108430	56.98924731182800
81		68.4	62.91079812206570	0.694465844889574	0.827160493827161	0.507575757575758	67.64705882352940	52.17391304347830	0.667532467532468	0.923076923076923	0.363636363636364	63.63636363636360	97.14285714285710	2.857142857142860	36.36363636363640	68.68131868131870	65.86826347305390	0.699464524765730	0.808823529411765	0.555555555555556	44.44444444444440	84.33734939759040	15.66265060240960	55.55555555555560
82		70.40000000000000	63.36633663366340	0.701107483515780	0.810126582278481	0.520325203252033	75.30864197530870	62.96296296296300	0.718085106382979	0.85	0.5	50.0	93.61702127659580	6.382978723404260	50.0	68.04733727810650	63.51351351351350	0.689044943820225	0.796610169491525	0.528089887640449	47.19101123595510	85.0	15.0	52.80898876404490
83		71.2	64.0	0.707607581967213	0.820512820512821	0.524590163934426	77.63157894736840	56.41025641025640	0.690588235294118	0.785714285714286	0.44	56.00000000000000	94.11764705882350	5.88235294117647	44.0	68.39080459770120	65.83850931677020	0.701767304860088	0.828125	0.546391752577320	45.36082474226800	85.71428571428570	14.28571428571430	54.63917525773200
84		72.0	67.5925925925926	0.718958013312852	0.793478260869565	0.588709677419355	70.0	57.14285714285710	0.674524400330852	0.777777777777778	0.451612903225806	54.83870967741940	89.74358974358980	10.25641025641030	45.16129032258060	72.77777777777780	70.65868263473050	0.730997404523545	0.797297297297297	0.634408602150538	36.55913978494620	82.75862068965520	17.24137931034480	63.44086021505380
85		71.2	62.88659793814430	0.702867406504587	0.813333333333333	0.512605042016807	70.12987012987010	51.06382978723400	0.659090909090909	0.857142857142857	0.363636363636364	63.63636363636360	95.45454545454550	4.545454545454550	36.36363636363640	71.67630057803470	66.66666666666670	0.715918203688853	0.803278688524590	0.569767441860465	43.02325581395350	86.20689655172410	13.79310344827590	56.97674418604650
86		70.8	61.37566137566140	0.702548668032787	0.865671641791045	0.475409836065574	71.42857142857140	33.33333333333330	0.587419056429232	0.714285714285714	0.217391304347826	78.26086956521740	95.74468085106380	4.25531914893617	21.73913043478260	70.55555555555560	66.66666666666670	0.724466891133558	0.883333333333333	0.535353535353535	46.46464646464650	91.35802469135800	8.641975308641980	53.53535353535350
87		73.2	64.9214659685864	0.716782765737874	0.805194805194805	0.543859649122807	74.28571428571430	55.00000000000000	0.684523809523810	0.916666666666667	0.392857142857143	60.71428571428570	97.61904761904760	2.380952380952380	39.28571428571430	72.77777777777780	67.5496688741722	0.722043542800594	0.784615384615385	0.593023255813954	40.69767441860470	85.1063829787234	14.89361702127660	59.30232558139540
88		68.8	61.38613861386140	0.685103386466936	0.784810126582278	0.504065040650407	63.88888888888890	38.09523809523810	0.592446892210858	0.727272727272727	0.258064516129032	74.19354838709680	92.6829268292683	7.317073170731710	25.80645161290320	70.78651685393260	67.5	0.712082912032356	0.794117647058824	0.586956521739131	41.30434782608700	83.72093023255820	16.27906976744190	58.69565217391310
89		72.40000000000000	66.00985221674880	0.725550435227855	0.870129870129870	0.531746031746032	72.5	50.0	0.657011191573404	0.846153846153846	0.354838709677419	64.51612903225810	95.91836734693880	4.081632653061230	35.48387096774190	72.35294117647060	70.44025157232700	0.741403508771930	0.875	0.589473684210526	41.05263157894740	89.33333333333330	10.66666666666670	58.94736842105260
90		69.20000000000000	63.15789473684210	0.696337090163934	0.814814814814815	0.515625	74.28571428571430	55.00000000000000	0.680447889750215	0.846153846153846	0.407407407407407	59.25925925925930	95.34883720930230	4.651162790697680	40.74074074074070	67.22222222222220	65.08875739644970	0.689998746710114	0.808823529411765	0.544554455445545	45.54455445544560	83.54430379746840	16.45569620253160	54.45544554455450
91		68.8	63.55140186915890	0.715584415584416	0.918918918918919	0.485714285714286	68.65671641791050	43.24324324324320	0.630036630036630	0.888888888888889	0.285714285714286	71.42857142857140	97.43589743589740	2.564102564102560	28.57142857142860	68.85245901639340	67.79661016949150	0.732645875251509	0.923076923076923	0.535714285714286	46.42857142857140	92.95774647887320	7.042253521126760	53.57142857142860
92		70.0	61.53846153846150	0.693670318406048	0.810810810810811	0.495867768595041	77.77777777777780	60.8695652173913	0.712533156498674	0.823529411764706	0.482758620689655	51.72413793103450	94.23076923076920	5.769230769230770	48.27586206896550	66.27218934911240	61.74496644295300	0.678571428571429	0.807017543859649	0.5	50.0	85.71428571428570	14.28571428571430	50.0
93		69.20000000000000	63.1578947368421	0.707475553268142	0.88	0.492537313432836	77.94117647058820	54.54545454545450	0.684541062801932	0.9	0.391304347826087	60.86956521739130	97.77777777777780	2.222222222222220	39.13043478260870	65.93406593406590	64.77272727272730	0.700418728587743	0.876923076923077	0.513513513513514	48.64864864864870	88.73239436619720	11.26760563380280	51.35135135135140
94		69.20000000000000	62.4390243902439	0.696721311475410	0.831168831168831	0.5	67.6056338028169	43.90243902439030	0.619458128078818	0.75	0.310344827586207	68.96551724137930	92.85714285714290	7.142857142857140	31.03448275862070	69.83240223463690	67.07317073170730	0.715277777777778	0.846153846153846	0.555555555555556	44.44444444444440	87.5	12.5	55.55555555555560
95		70.40000000000000	63.0	0.702444956477215	0.828947368421053	0.508064516129032	71.42857142857140	47.61904761904760	0.645390070921986	0.833333333333333	0.333333333333333	66.66666666666670	95.74468085106380	4.25531914893617	33.33333333333330	69.94219653179190	67.0886075949367	0.712294640452464	0.828125	0.563829787234043	43.61702127659580	86.07594936708860	13.92405063291140	56.38297872340430
96		71.6	63.95939086294420	0.707453973955995	0.807692307692308	0.529411764705882	77.10843373493980	48.64864864864870	0.654137931034483	0.75	0.36	64.0	94.82758620689660	5.172413793103450	36.0	68.8622754491018	67.5	0.705042261731274	0.818181818181818	0.574468085106383	42.5531914893617	83.56164383561640	16.43835616438360	57.44680851063830
97		68.4	63.92694063926940	0.691545320418244	0.795454545454545	0.534351145038168	75.0	50.0	0.658723404255319	0.818181818181818	0.36	64.0	95.74468085106380	4.25531914893617	36.0	65.73033707865170	66.66666666666670	0.676624737945493	0.792207792207792	0.575471698113208	42.45283018867920	77.77777777777780	22.22222222222220	57.54716981132080
98		73.2	66.99507389162560	0.732000000000000	0.871794871794872	0.544	74.24242424242430	58.53658536585370	0.701127819548872	0.923076923076923	0.428571428571429	57.14285714285710	97.36842105263160	2.631578947368420	42.85714285714290	72.82608695652170	69.1358024691358	0.736935655883399	0.861538461538462	0.577319587628866	42.2680412371134	89.65517241379310	10.34482758620690	57.73195876288660
99		70.8	63.681592039801	0.706477214541731	0.831168831168831	0.516129032258065	71.23287671232880	43.24324324324320	0.626409017713366	0.8	0.296296296296296	70.37037037037040	95.65217391304350	4.347826086956520	29.62962962962960	70.62146892655370	68.29268292682930	0.719909793814433	0.835820895522388	0.577319587628866	42.2680412371134	86.25	13.75000000000000	57.73195876288660
	Mean	**70.24**	**63.9996988776347**	**0.703802399594020**	**0.817454864251935**	**0.527724238733291**	**72.2166300157096**	**50.6593048895012**	**0.659188717062238**	**0.825261441989383**	**0.369761707276093**	**63.0238292723907**	**94.8615726848382**	**5.1384273151618**	**36.9761707276093**	**69.4663539229027**	**67.1566358389361**	**0.708150775327932**	**0.816582365619085**	**0.572732391654006**	**42.7267608345994**	**84.35691590018580**	**15.6430840998143**	**57.2732391654006**
	Standard Deviation	2.35787954730431	3.2386286312348	0.022543011323680	0.046078200365584	0.039812290940609	4.02925651098054	7.55770677778197	0.039600863196027	0.098026363663767	0.072244869719648	7.22448697196481	3.27680530843872	3.27680530843873	7.22448697196481	2.85337511705476	3.36047513530075	0.026733250835983	0.047651693650272	0.044665575152352	4.46655751523528	4.50350725237181	4.50350725237181	4.46655751523528
	T Test Significance (Female to Male)						**0.013090291699709**	**0.000000000000000**	**0.000000000056323**	**0.90443348846576**	**0.000000000000000**	**0.000000000000000**	**0.000000000000000**	**0.000000000000000**	**0.000000000000000**									

Experiment 3.13 (Unbalanced training data, with feature selection) - Gaussian Naive Bayes Classifier

	UB_Accuracy	UB_FScore	UB_ROC_AUC	UB_Precision	UB_Recall	UB_F_Accuracy	UB_F_FScore	UB_F_ROC_AUC	UB_F_Precision	UB_F_Recall	UB_F_FNR	UB_F_TNR	UB_F_FPR	UB_F_TPR	UB_M_Accuracy	UB_M_FScore	UB_M_ROC_AUC	UB_M_Precision	UB_M_Recall	UB_M_FNR	UB_M_TNR	UB_M_FPR	UB_M_TPR
0	76.4	69.4300518134716	0.750563607085346	0.858974358974359	0.582608695652174	82.8125	84.5161290322581	0.740935672514620	0.833333333333333	0.526315789473684	47.3684210526316	95.5555555555556	4.44444444444444	52.6315789473684	74.1935483870968	0.74675	0.863636363636364	0.53975	40.625	90.0	10.0	59.375	
1	67.6000000000000	61.6113744075829	0.707569074084196	0.928571428571429	0.460992907801418	76.9230769230769	54.5454545454545	0.683747410308352	0.9	0.391304347826087	60.8695652173913	97.6180476190476	2.38095238095238	39.1304347826087	64.3243243243243	0.621143514960706	0.703473898324564	0.933333333333333	0.474576271186441	52.5423728813559	94.0298507462687	5.97015922373134	47.4576271186441
2	74.8	67.8923076923077	0.741719520789288	0.891989189189180	0.545454545454545	83.3333333333333	62.5	0.727272727272727	1.0	0.454545454545455	54.5454545454550	100.0	0.0	45.4545454545450	71.3483146067416	68.7116564417178	0.732195371453878	0.875	0.565656565656566	43.4343434343434	89.8734177215190	10.1265822784810	56.5656565656560
3	68.8	62.1359223300970	0.718910256410256	0.789012346790123	0.512	63.4146341463150	40.0	0.591420619324	0.714285714285714	0.277777777777778	72.2222222222220	91.3043478260870	8.69565217391304	27.7777777777780	71.4285714285714	69.2307692307692	0.721092305506190	0.805970149253731	0.606741573033708	39.3258426966292	83.5443037974840	16.4556962025316	60.6741573033708
4	70.4000000000000	62.2448979591830	0.69921875	0.824324324324324	0.5	74.6478873239437	57.1428571428570	0.7	1.0	0.4	0.0	100.0	0.0	40.0	68.7150837988870	63.6363636363636	0.691597044179026	0.790322580645161	0.532608695652174	46.7391304347826	85.0574712643678	14.9425287356320	53.2608695652174
5	71.2	66.3551401869190	0.718910256410256	0.921052631578947	0.546153846153846	69.8412698412698	48.4848484848480	0.652777777777778	0.9	0.333333333333333	66.6666666666670	97.2222222222220	2.77777777777780	33.3333333333330	71.6575604100926	70.0564971751412	0.729542303257836	0.837837837837838	0.609194774572816	39.8058252427184	85.7142857142857	14.2857142857140	60.1947475728160
6	74.0	64.0883977900530	0.721297726618163	0.865671641791045	0.508771929824561	75.3424657534247	55.0000000000000	0.681964573268921	0.846153846153846	0.407407407407407	59.2592592592593	95.6521739130435	4.34782608695652	40.7407407407407	73.4463276836158	66.6666666666667	0.731226053639847	0.837037037037037	0.540229885057471	45.9770114942529	92.2222222222220	7.77777777777780	54.0229885057471
7	75.2	70.4761904761950	0.7	0.875862325294118	0.592	81.4285714285714	64.8648648648480	0.739130434782609	0.923076923076923	0.5	50.0	97.8260869565217	2.17391304347826	50.0	77.6363075813309	74.7436955338801	0.861111111111111	0.813861386138614	38.6138613861386	61.3861386138614	91.3417721518987	8.65822784810130	61.3861386138614
8	69.2000000000000	63.4976525821600	0.710526315789474	0.883116883116883	0.5	78.3783783783784	66.6666666666670	0.75	1.0	0.5	0.0	100.0	0.0	50.0	65.3409090909091	63.0303030303030	0.8875	0.852459016393443	0.5	50.0	87.5	12.5	50.0
9	68.4	60.6965174129350	0.697182509375863	0.857142857142857	0.482142857142857	73.0158730158730	53.5714285714290	0.678794178794179	0.909090909090909	0.384615384615385	61.5384615384610	97.2972972972973	2.70270270270270	38.4615384615385	69.1951219512195	0.687356116192639	0.807361610192639	0.857142857142857	0.538461538461538	46.1538461538462	88.8670562235976	11.3580246913580	48.1132075471698
10	68.8	62.9090909090909	0.688725498984016	0.833333333333333	0.505597122392156	69.3548387096774	51.7241379310345	0.648148148148148	1.0	0.296296296296296	70.3703703703704	100.0	0.0	29.6296296296296	65.9574468085106	0.684804511278253	0.815789473684211	0.857142857142857	0.578947368421053	44.2105263157895	85.3333333333333	14.6666666666670	55.3571428571429
11	68.4	58.2010582010580	0.682091653865848	0.846153846153846	0.443548387096774	73.4375	54.0540540540540	0.674538974358974	0.833333333333333	0.4	60.0	94.8717948717949	5.12820512820513	40.0	66.6666666666670	59.2105263157895	0.681295715779475	0.840056603773585	0.454545454545455	54.5454545454550	90.8045977011494	9.19540229885057	45.4545454545450
12	72.8	66.0	0.726464905275525	0.868421052631579	0.532258064516129	74.1935483870968	55.5555555555560	0.682017543859649	0.833333333333333	0.416666666666667	58.3333333333330	94.7368421052630	5.26315789473684	41.6666666666670	72.3404255319149	69.2926829268293	0.734545454545455	0.875	0.56	44.0	90.9090909090909	9.09090909090909	56.0000000000000
13	72.4000000000000	67.6056338028169	0.727973114754010	0.847058823529412	0.5625	74.2857142857140	47.0588235294180	0.649027536231884	0.833333333333333	0.8	0.333333333333333	66.6666666666670	95.6521739130435	4.34782608695652	70.5883988826820	0.735323886639676	0.833333333333333	0.615384615384615	38.4615384615385	85.5263157894737	14.4736842105263	61.5384615384615
14	71.2	67.8571428571429	0.730719416997723	0.883720930232558	0.550724637681159	72.2222222222220	50.0000000000000	0.660785868126704	0.909090909090909	0.344827586206897	65.5172413793103	97.6741180465120	2.32558139534884	34.4827586206897	70.7865168539326	71.2355813953488	0.737549022736364	0.88	0.605504587155963	39.4495412844030	86.9565217391304	13.0434782608690	60.5504587155930
15	78.4	65.0717703349820	0.725784895330113	0.918918918918919	0.503703703703704	69.8630136986301	47.6190476190476	0.65625	1.0	0.3125	68.75	100.0	0.0	31.25	71.1864406779661	69.4610778443114	0.741128575177212	0.90625	0.563106796116505	43.6893203883495	91.8918918918919	8.10810810810810	56.3106796116505
16	74.8	68.6274509803921	0.741245758912482	0.861497533084198	0.589105691056911	76.9230769230769	57.1428571428570	0.663581705383021	0.833333333333333	0.434782608695652	56.5217391304348	95.2380952380952	4.76190476190476	43.4782608695652	73.7054109589041	73.7054109589041	0.740588235294912	0.889565217391304	0.6	40.0	91.4117647058824	8.58823529411765	60.0
17	71.6	66.6666666666670	0.717299027137574	0.816091954022989	0.563492063492064	71.25	54.9019607843137	0.683080808080808	0.833333333333333	0.388888888888889	61.1111111111110	97.7272727272727	2.27272727272727	38.8888888888890	71.7647058823529	70.3703703703704	0.722916666666667	0.791666666666667	0.633333333333333	36.6666666666670	81.25	18.75	63.3333333333330
18	70.4	63.1463414634150	0.704845304157919	0.855263157894737	0.503875968992248	75.8064516129032	54.5454545454545	0.675454545454545	0.818181818181818	0.409090909090909	59.0909090909091	95.0	5.0	40.9090909090909	68.0851063829787	65.8536585365854	0.706126867435099	0.861538461538462	0.523364485981308	47.6635514018692	88.8888888888880	11.1111111111110	52.3364485981308
19	71.2	65.3551401869190	0.758883401639034	0.825581395348837	0.544875	76.6810169491525	56.6666666666670	0.748908783783920	0.923076923076923	0.521739130434783	47.8260869565217	97.2222222222220	2.77777777777780	52.1739130434783	68.5838374355593	68.2921348314607	0.690557032115172	0.808219178082192	0.589047619047619	41.0952380952381	83.8095238095238	16.1904761904762	58.1904761904762
20	70.4000000000000	60.2150537634040	0.700083221304054	0.888888888888889	0.455284552845528	67.1232876712329	40.0	0.617127496159754	0.888888888888889	0.258064516129032	74.1935483870968	97.6190476190476	2.38095238095238	25.8064516129032	71.7514124293785	65.7534246575342	0.725575447570333	0.888888888888889	0.521739130434783	47.8260869565217	92.9411764705882	7.05882352941176	52.1739130434783
21	78.4	65.0717703349820	0.725784895330113	0.918918918918919	0.503703703703704	69.1176470588235	48.7804878048780	0.646727674642423	0.833333333333333	0.344827586206897	65.5172413793103	94.8717948717949	5.12820512820513	34.4827586206897	71.7426991168693	69.0476190476191	0.737289116866933	0.935483870967742	0.547169811320755	45.2830188679245	94.7368421052630	5.26315789473684	54.7169811320755
22	74.8	69.2682926829280	0.748000000000000	0.8875	0.568	69.4444444444444	47.6190476190476	0.642857142857143	0.833333333333333	0.333333333333333	66.6666666666670	95.2380952380952	4.76190476190476	33.3333333333330	74.8462576887120	0.788839568801521	0.897058823529412	0.842105263157895	0.785473368421052	21.4736842105263	94.6666666666670	5.33333333333330	78.5263157894737
23	78.4	65.6571641791050	0.75	0.907894736842105	0.552	82.1917808219178	64.8648648648480	0.74	1.0	0.48	52.0	100.0	0.0	48.0	71.7514124293785	69.5129512191520	0.739545454545454	0.890625	0.57	43.0	90.9090909090909	9.09090909090909	57.0000000000000
24	71.2	65.3846153846154	0.721726858682404	0.883116883116883	0.519083969465649	79.6923076923080	53.6585365853690	0.657682835324904	0.916666666666667	0.379310344827586	62.0689655172414	97.2222222222220	2.77777777777780	37.9310344827586	71.3513513513514	68.2634730538920	0.731218993621545	0.876923076923077	0.558823529411765	44.1176470588235	90.3614457831350	9.63855421686747	55.8823529411765
25	72.4	66.3564356436440	0.718801332656453	0.890410958904110	0.503875968992248	75.3424657534247	50.0	0.662438652054893	0.8	0.363636363636364	63.6363636363636	97.8723404255319	2.12765957446809	36.3636363636364	73.1481481481480	69.4915254237288	0.746875135720334	0.888888888888889	0.536893203883495	46.3106796116505	90.5405405405405	9.45945945945946	54.3893203883495
26	73.6	67.0	0.725360267627380	0.797619047619048	0.577862068965517	82.4324324324240	71.1111111111110	0.776442037692308	0.842105263157895	0.615384615384615	38.4615384615385	93.75	6.25	61.5384615384610	69.8863636363636	65.8064516129030	0.701937884496124	0.784615384615385	0.566666666666667	43.3333333333330	83.7209302325580	16.2790697674190	56.6666666666670
27	75.2	70.4761904761950	0.745775035820800	0.803473822689057	0.627118644067797	80.8823529411765	69.2926829268290	0.739130434782609	0.875	0.56	44.0	95.3488372093030	4.65116279069767	56.0000000000000	73.0769230769310	71.0051917958313	0.732693047118552	0.837209302325581	0.783676967741902	82.0247191011240	17.9775280898876	64.5161290322581
28	74.0	67.3368834170854	0.735527693934404	0.870129870129870	0.549180327868853	76.7101449275362	65.0	0.740740740740741	1.0	0.481481481481481	51.8518518518519	100.0	0.0	48.1481481481481	71.8232041988695	67.9245283018868	0.7265769814320669	0.8475	0.588410256410256	53.1579947368421	88.3720930232558	11.6279069767442	58.8410256410256
29	76.8	68.0851063829780	0.747188484030589	0.901408450704225	0.547008547008547	82.8571428571429	65.6666666666670	0.75	1.0	0.5	50.0	100.0	0.0	50.0	73.3333333333330	68.4210526315790	0.739340007415647	0.881355932203390	0.559197894962037	44.0860215053763	91.9540229885057	8.04597701149250	55.9197894962370
30	76.4	73.0926073059360	0.770192307692308	0.898876404494382	0.613846153846154	74.2424242424240	58.3585635658370	0.701127819548872	0.923076923076923	0.428571428571429	57.1428571428570	97.3684210526316	2.63157894736842	42.8571428571429	77.1791304378370	76.4044938202256	0.784528545528455	0.894736842105263	0.666666666666667	33.3333333333330	90.2430024390244	9.75609756097561	66.6666666666670
31	78.4	65.9494549594600	0.728012184846717	0.824324324324324	0.545495495495495	76.9230769230769	47.2586206896550	0.651601830663616	0.8	0.368421052631579	63.1578947368421	93.4782608695652	6.52173913043478	36.8421052631579	74.0540540540510	69.2307692307692	0.739174820009350	0.8475	0.568995621739131	41.3043478260870	89.2473118279570	10.7526881720430	58.6956521739131
32	75.6	68.5823529411760	0.757248859361327	0.888888888888889	0.585365853658537	75.7142857142857	58.4210526410540	0.688111188111188	0.846153846153846	0.423076923076923	57.6923076923077	95.4545454545454	4.54545454545454	42.3076923076923	76.1111111111110	73.9393939393990	0.772643149919270	0.889655172413793	0.611111111111110	38.8888888888890	91.1134020618570	8.86597938144330	61.1111111111110
33	68.0	56.0439560439560	0.668484187568157	0.809523809523810	0.428571428571429	71.4285714285714	40.0	0.618148148148145	0.8	0.266666666666667	73.3333333333330	96.2962962962963	3.70370370370370	26.6666666666670	66.2650602409690	60.5638028169010	0.676837988772800	0.811320754716981	0.483410067415730	51.6853932584270	87.0129870129870	12.9870129870130	48.3410067415730
34	72.4000000000000	62.2950819672130	0.733973931344828	0.857462686567164	0.497931034482759	76.7123287671233	45.1612903225810	0.672387133044828	0.857142857142857	0.428571428571429	57.1428571428570	98.0	2.0	42.8571428571429	70.9090909090909	70.6214689265337	0.751245775729647	0.847457627119464	0.537634408602151	46.2365591397849	89.2857142857140	10.7142857142857	53.7634408602150
35	73.6	69.4444444444440	0.738365021145449	0.842696629213483	0.590551181102362	69.0476190476191	55.6666666666670	0.690478190476191	0.944444444444444	0.404761904761905	59.5238095238095	97.6190476190476	2.38095238095238	40.4761904761905	75.9038145783130	74.3589743589740	0.760929557097988	0.881601408450704	0.682352941176471	31.7647058823529	83.9506172839506	16.0493827160494	68.2352941176470
36	67.2	58.1538308457710	0.675628661074026	0.828869857077626	0.448188889793798	73.3333333333330	50.0	0.714285714285714	0.8	0.428571428571429	57.1428571428570	93.1034482758621	6.89655172413793	42.8571428571429	66.4285714285714	63.5465574346680	0.658971219281918	0.777777777777778	0.454652139465875	54.5347260653094	85.5172413793103	14.4827586206897	45.6521739130435
37	73.6	66.3061224489790	0.720512820512820	0.842105263157895	0.533333333333330	77.9411764705882	57.1428571428570	0.699969969969967	0.909090909090909	0.416666666666667	58.3333333333330	97.7272727272727	2.27272727272727	41.6666666666670	68.6666666666670	0.679120879120879	0.806666666666667	0.680745345161849	0.717295161627907	63.8070748641969	82.6666666666670	17.3333333333330	56.25
38	74.0	67.0050761421300	0.738351254482087	0.904109589041096	0.532258064516129	75.0	43.7500000000000	0.635416666666667	0.875	0.291666666666667	70.8333333333330	97.9166666666667	2.08333333333330	29.1666666666670	73.5955056179775	71.5151515151515	0.756538461538462	0.907692307692308	0.59	41.0	92.3076923076923	7.69230769230769	59.0
39	72.4000000000000	66.3461461461460	0.721304653991422	0.829268292682927	0.552845528455285	78.4810126582278	56.4210526410540	0.692670537010166	0.861538461538462	0.423076923076923	57.6923076923077	96.2264150943396	3.77358490566038	42.3076923076923	69.6746987951807	0.717233519086109	0.820689655172139	0.837837837837838	0.612162162162162	38.7837837837838	81.8421052631579	18.1578947368421	58.7837837837838
40	69.6	64.1509433962240	0.706728299948639	0.85	0.515151515151515	82.6865671641791	35.8974358974350	0.589639639639640	0.777777777778	0.233333333333333	76.6666666666670	94.9459459459456	5.40540540540510	23.3333333333330	72.1311475409836	70.5202312138729	0.737291212781409	0.859154929577465	0.598039215686275	40.1960784313726	87.6543209876540	12.3456790123470	59.8039215686270
41	69.6	62.3762376237620	0.704807692307692	0.875	0.486153846153846	74.3243243243240	53.6585365853680	0.683333333333333	1.0	0.366666666666667	63.3333333333330	100.0	0.0	36.6666666666670	67.6136363636364	64.5962732919255	0.700789473684210	0.852450016393443	0.52	48.0	88.1578947368421	11.8421052631579	52.0
42	72.4000000000000	65.3266331658291	0.722413234511009	0.866666666666667	0.524193548387097	77.0270270270270	63.8297872340426	0.730357576884924	0.9375	0.483870967741936	51.6129032258065	97.6741180465120	2.32558139534884	48.3870967741936	70.4545454545455	65.7894736842105	0.714603368311196	0.847457627118644	0.537634408602151	46.2365591397849	89.1566265060241	10.8433734939759	53.7634408602151
43	74.0	62.9282929282930	0.744749470408639	0.909090909090909	0.54875	70.6666666666670	0.0000000000000	0.638888888888889	0.9	0.3	70.0	97.7777777777780	2.22222222222220	30.0	74.8979797979798	72.2222222222220	0.772635408348680	0.910447761194030	0.622449879591837	37.7551020408163	92.2073922070290	7.79260779220790	62.2449879591837
44	69.2000000000000	62.4390243902439	0.700320512820513	0.853333333333333	0.482307692307692	69.8630136986301	57.6923076923070	0.694198198198205	0.9375	0.416666666666667	58.3333333333330	97.2972972972973	2.70270270270270	41.6666666666670	68.9265536723140	64.0522875816994	0.703973340169119	0.830508474576271	0.521276595744681	47.8723404255319	90.9090909090909	9.09090909090909	52.1276595744681
45	74.0	67.3398347985480	0.735276765264004	0.870129870129870	0.549180327868853	77.6666666666670	63.1578947368421	0.696161666161666	0.857142857142857	0.428571428571429	57.1428571428570	98.4210526315790	1.57894736842105	42.8571428571429	73.4831460674160	70.7021069692960	0.733333333333333	0.857142857142857	0.571428571428571	42.8571428571429	93.3333333333330	6.66666666666670	57.1428571428570
46	73.6	68.7811594202900	0.711864407798601	0.88	0.5	71.6216216216216	55.3191489361700	0.681747570518478	0.928571428571429	0.433333333333333	66.6666666666670	90.5607540097561	2.43902439024390	33.3333333333330	69.3939393939394	69.8108108108108	0.691814181818182	66.25	0.715728715728716	0.868852459016393	66.1290322580645	33.8709677419355	66.2500000000000
47	72.0	62.6856571641791	0.701619203225806	0.84	0.5	76.1904761904762	42.2586206896550	0.654761904761905	0.875	0.333333333333333	66.6666666666670	97.6190476190476	2.38095238095238	33.3333333333330	73.8461538461538	71.4285714285714	0.699593495934959	0.835820895522388	0.533333333333333	46.6666666666670	86.5853658536585	13.4146341463415	53.3333333333330
48	71.6	65.3507109004739	0.718679980375411	0.833333333333333	0.551181102362205	74.6478873239437	60.8695652173913	0.789430894308943	0.875	0.666666666666667	53.3333333333330	95.1215129125122	4.87804878048781	46.6666666666670	73.5714285714286	70.7548209366450	0.718088108108108	0.823529411764706	0.714285714285714	28.5714285714286	93.5185185185185	6.48148148148148	71.4285714285714
49	69.6	61.6161616161616	0.701396004098361	0.871428571428571	0.4765625	75.6756756756757	52.6315789473680	0.674546887312845	0.909090909090909	0.370370370370370	62.9629629629630	97.8723404255319	2.12765957446809	37.0370370370370	67.0454545454545	63.7500000000000	0.699141914191419	0.844607967061017	0.504590450450955	49.5409549549549	89.3333333333330	10.6666666666670	50.4590450450950
50	69.6	63.3165829145290	0.711446130209436	0.9	0.486153846153846	74.3243243243240	53.6585365853680	0.683333333333333	1.0	0.366666666666667	63.3333333333330	100.0	0.0	36.6666666666670	67.6136363636364	64.5962732919255	0.720784274862487	0.830158730158730	0.555555555555556	44.4444444444440	89.7435897435890	10.2564102564100	55.5555555555560
51	68.4	59.8984771573604	0.693589743589744	0.880597014925373	0.453846153846154	70.3125	38.7096774193548	0.6125	0.857142857142857	0.25	75.0	97.5	2.5	25.0	67.7419354838710	65.8554216867470	0.708250000000000	0.883333333333333	0.5	50.0	91.25	8.75	50.0
52	62.0	51.2820512820513	0.632016162442724	0.7812 5	0.381679389312977	68.6666666666670	47.8260869565217	0.648608811445511	0.916666666666667	0.323529411764706	67.6470588235294	97.3684210526316	2.63157894736842	32.3529411764706	60.1123595505618	53.7499314329897	0.614893328859060	0.620740140125805	0.75	4.0020618556701	93.8581728395061	6.04938271604940	20.2081556701030
53	72.4000000000000	61.8784503867400	0.712393354286860	0.903225806451613	0.470588235294118	72.4637681159420	44.4827586206897	0.597826059595522	0.833333333333333	0.217391304347826	78.2608695652174	97.8260869565217	2.17391304347826	21.7391304347826	72.5736960073480	67.1052631578947	0.738213235294118	0.910714285714286	0.53125	46.875	94.1176470588235	5.88235294117647	53.125
54	69.2000000000000	62.2222222222220	0.693893107413122	0.875862068965517	0.479310344827586	73.1343283582090	52.6666666666670	0.674108527131782	0.857142857142857	0.428571428571429	57.1428571428570	97.3333333333330	2.66666666666667	42.8571428571429	70.7009259259259	69.4444444444440	0.707260391166994	0.857142857142857	0.571428571428571	42.8571428571429	93.3333333333330	6.66666666666670	57.1428571428570
55	69.2000000000000	62.0686955124140	0.697315010057083	0.851351351351351	0.488372093023256	64.6153846153846	43.9024390243900	0.613505747126437	0.8	0.310344827586207	68.9655172413793	91.6666666666670	8.33333333333330	31.0344827586207	70.8108108108108	68.6666666666670	0.722941176470588	0.809677419354839	0.54	46.0	90.5882352941170	9.41176470588235	54.0
56	76.4	71.4975845410628	0.760399938524590	0.870588235294118	0.666557377049180	72.2222222222220	47.3684210526316	0.693506493506494	0.9	0.321428571428571	67.8571428571429	97.7272727272727	2.27272727272727	32.1428571428570	78.0898876404940	76.9230769230769	0.786200871327254	0.866666666666667	0.691489361702128	30.8510638297872	88.0952380952381	11.9047619047619	68.1489361702128
57	78.4	68.9655172413790	0.749551973326165	0.909090909090909	0.555555555555556	78.9473684210526	61.9047619047619	0.720335774754385	0.866666666666667	0.481481481481481	51.8518518518519	95.9183673469388	4.08163265306120	48.1481481481481	72.9885057471264	72.9885057471264	0.807453161491043	0.945454545454545	0.919354838709677	5.67741935483871	93.3333333333330	6.66666666666670	57.5757575757576
58	72.8	65.6565656565670	0.729710701484895	0.902777777777778	0.515873015873016	76.7123287671233	60.4651162790698	0.716666666666667	1.0	0.433333333333333	56.6666666666670	100.0	0.0	43.3333333333330	71.1864406779661	67.0867741935484	0.727634567901233	0.881355932203390	0.541666666666667	45.8333333333330	91.3580246913580	8.64197530864197	54.1666666666670
59	72.8	66.6666666666670	0.731311665974121	0.881118881118881	0.535433070866142	76.7123287671233	54.0540540540510	0.681669394435352	0.909090909090909	0.384615384615385	61.5384615384610	97.8723404255319	2.12765957446809	38.4615384615385	71.1864406779661	69.4610778443114	0.734971339291918	0.878787878787879	0.574285714285714	42.5714285714286	89.4610778443114	10.5389221556886	57.4285714285714
60	72.4000000000000	67.8056338028169	0.729482990582356	0.857142857142857	0.558139534883721	75.3424657534247	57.1428571428570	0.692063492063492	0.857142857142857	0.428571428571429	57.1428571428570	95.5555555555560	4.44444444444440	42.8571428571429	71.1864406779661	69.1754385964912	0.731402229280687	0.851428571428571	0.594059405940594	40.5940594059406	86.8421052631579	13.1578947368421	59.4059405940594
61	68.8	62.8571428571429	0.699125432288161	0.846153846153846	0.772027972027079	0.5084745762711788	76.8115942028985	62.5941176470588	0.673913043478261	0.818181818181818	0.391304347826087	60.8695652173913	95.6521739130435	4.34782608695652	0.5084745762711788	24.0	68.6813188118188	0.8611111111111110	0.618613861386138	38.6138613861386	88.6666666666670	11.3333333333330	56.0746835514020
62	71.2	65.5215366640400	0.713795751282051	0.932203389830508	0.458333333333333	0.8111111111111	41.6666666666670	0.681111111111111	0.846153846153846	0.366666666666667	63.3333333333330	0.8333333333333	99.1666666666667	36.6666666666670	0.5084745762711788	0.5	0.321428571428571	0.8571428571428570	0.5	50.0	0.5	50.0	50.0
63	72.8	67.6190476190760	0.732061782788885	0.865853658536585	0.5548875	74.0740740740740	47.8048780487800	0.658682745098209	0.909090909090909	0.333333333333333	66.6666666666670	98.0392156862745	1.96078431372549	33.3333333333330	72.1893491124260	72.1893491124260	0.740801545846651	0.859154929577465	0.622448979591837	37.7551020408163	85.9154929577465	14.0845070422535	62.2448979591837
64	72.8	67.1676585031880	0.704532360824233	0.857142857142857	0.487804878048781	78.2608695652174	47.2586206896550	0.656250000000009	0.833333333333333	0.333333333333333	66.6666666666670	97.9166666666667	2.08333333333330	33.3333333333330	67.9166666666667	67.0833333333333	0.708418962512726	0.854838709677419	0.519607843137255	48.0392156862745	88.6075949367080	11.3924050632910	51.9607843137255
65	71.2	67.7058823529412100	0.718623870843744	0.8	0.511627906976744	72.9729729729730	52.3809523809524	0.671996969969967	0.916666666666667	0.366666666666667	63.3333333333330	97.7272727272727	2.27272727272727	36.6666666666670	70.4545454545455	67.9012345679012	0.725829725829726	0.873015873015873	0.555555555555556	44.4444444444440	89.6103896103896	10.3896103896104	55.5555555555560
66	69.2000000000000	60.1036269430320	0.685405855596130	0.805555555555556	0.479338842975207	68.0	33.3333333333330	0.574582888854003	0.6	0.230769230769231	76.9230769230769	91.8367346938776	8.16326530612245	23.0769230769231	69.2307692307692	66.2403261805605	0.711842105263158	0.838709677419355	0.547368421052632	45.2631578947368	87.5	12.5	54.7368421052632
67	75.6	70.5314009661830	0.751262956667759	0.848837209302326	0.603305785129967	82.4324324324240	69.2926829268290	0.758841102564102	0.933333333333333	0.538461538461538	46.1538461538462	97.9166666666667	2.08333333333330	53.8461538461538	72.7272727272720	71.0843373493976	0.736452241715400	0.839895149258468	0.621052631578947	37.8947368421050	85.1851851851850	14.8148148148148	62.1052631578947
68	72.4000000000000	63.4906349206350	0.718557883442862	0.895523880597010	0.491803278688525	73.5294117647059	53.4090909090910	0.654986999699967	0.875	0.291666666666667	70.8333333333330	97.7272727272727	2.27272727272727	29.1666666666670	71.6666666666667	70.8333333333330	0.759235668790000	0.898305084745763	0.608163265306122	39.1836734693880	89.9166666666667	10.0833333333330	60.8163265306122
69	72.8	60.9256688491988	0.697511065494900	0.838235294117647	0.478991596638656	73.75	55.1919488361020	0.688331399097357	0.925571428571429	0.393939393939394	60.6060606060606	97.8723404255319	2.12765957446809	39.3939393939394	69.4117647058240	62.8571428571429	0.689290143964563	0.818481481481815	0.516279069767442	48.8372093023250	88.0952380952381	11.9047619047619	51.1627906976744
70	76.0	61.5384615384615	0.698643487461754

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Summary of Results for Experiment 3.1.4

	Random Forest Classifier			**Logistic Regression Classifier**			**Support Vector Machine**			**Gaussian Naive Bayes**		
	Mean	Standard Deviation	T Test Significance (Female to Male)	Mean	Standard Deviation	T Test Significance (Female to Male)	Mean	Standard Deviation	T Test Significance (Female to Male)	Mean	Standard Deviation	T Test Significance (Female to Male)
All Accuracy	80.37	2.83		73.28	2.03		71.60	2.20		73.04	1.77	
All FScore	75.34	3.77		62.61	3.27		57.44	3.28		60.22	3.19	
All ROC_AUC	79.14%	2.95%		70.72%	2.11%		68.43%	1.92%		69.99%	1.75%	
All Precision	81.66%	4.30%		78.15%	4.40%		81.91%	4.45%		83.13%	4.49%	
All Recall	70.14%	4.99%		52.42%	4.14%		44.37%	3.66%		47.44%	4.10%	
Females Accuracy	83.18	3.55	0.00	76.69	2.55	0.00	74.70	3.06	0.00	75.36	2.89	0.00
Females FScore	70.21	6.99	0.00	53.18	5.80	0.00	46.78	5.96	0.00	45.78	6.45	0.00
Females ROC_AUC	78.02%	4.71%	0.46	67.48%	3.15%	0.00	64.32%	2.97%	0.00	64.09%	3.10%	0.00
Females Precision	78.65%	6.76%	0.00	71.91%	7.85%	0.00	73.34%	8.33%	0.00	76.37%	9.99%	0.00
Females Recall	63.99%	9.10%	0.00	42.59%	6.27%	0.00	34.74%	5.85%	0.00	33.05%	5.84%	0.00
Females FNR	36.01	9.10	0.00	57.41	6.27	0.00	65.26	5.85	0.00	66.95	5.84	0.00
Females TNR	92.05	2.72	0.00	92.37	2.27	0.00	93.90	2.23	0.01	95.12	2.35	0.00
Females FPR	7.95	2.72	0.00	7.63	2.27	0.00	6.10	2.23	0.00	4.88	2.35	0.00
Females TPR	63.99	9.10	0.00	42.59	6.27	0.00	34.74	5.85	0.00	33.05	5.84	0.00
Males Accuracy	77.56	3.23		69.88	2.92		68.50	2.93		70.73	2.73	
Males FScore	78.07	3.31		67.57	3.45		63.24	3.93		67.41	3.87	
Males ROC_AUC	77.98%	3.24%		71.05%	2.79%		70.27%	2.67%		72.25%	2.33%	
Males Precision	83.25%	4.48%		81.19%	4.86%		86.16%	4.79%		85.72%	3.83%	
Males Recall	73.69%	4.33%		58.10%	4.50%		50.11%	4.35%		55.83%	5.34%	
Males FNR	26.31	4.33		41.90	4.50		49.89	4.35		44.17	5.34	
Males TNR	82.26	5.02		84.00	4.40		90.43	3.39		88.68	3.56	
Males FPR	17.74	5.02		16.00	4.40		9.57	3.39		11.32	3.56	
Males TPR	73.69	4.33		58.10	4.50		50.11	4.35		55.83	5.34	
	Random Forest Results			**Logistic Regression Results**			**Support Vector Machine Results**			**Gaussian Naive Bayes Results**		
Sex Performance Disparities (Male Mean - Female Mean, n=100)	Sex Performance Disparities (Male Mean - Female Mean, n=100)		**T Test P Value**	Sex Performance Disparities (Male Mean - Female Mean, n=100)		**T Test P Value**	Sex Performance Disparities (Male Mean - Female Mean, n=100)		**T Test P Value**	Sex Performance Disparities (Male Mean - Female Mean, n=100)		**T Test P Value**
Accuacy	-5.62		0.00	-6.80		0.00	-6.19		0.00	-4.64		0.00
FScore	7.86		0.00	14.39		0.00	16.46		0.00	21.63		0.00
ROC_AUC	-0.05%		0.46	3.57%		0.00	5.95%		0.00	8.17%		0.00
Precision	4.60%		0.00	9.28%		0.00	12.82%		0.00	9.35%		0.00
Recall	9.70%		0.00	15.51%		0.00	15.38%		0.00	22.78%		0.00
False Negative Rate	-9.70		0.00	-15.51		0.00	-15.38		0.00	-22.78		0.00
True Negative Rate	-9.79		0.00	-8.37		0.00	-3.47		0.00	-6.44		0.00
False Positive Rate	9.79		0.00	8.37		0.00	3.47		0.00	6.44		0.00
True Positive Rate	9.70		0.00	15.51		0.00	15.38		0.00	22.78		0.00

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3.1.4 Balanced training data, with feature selection - Random Forest Classifier

	UB_Accuracy	UB_FScore	UB_ROC_AUC	UB_Precision	UB_Recall	UB_F_Accuracy	UB_F_FScore	UB_F_ROC_AUC	UB_F_Precision	UB_F_Recall	UB_F_FNR	UB_F_TNR	UB_F_FPR	UB_F_TPR	UB_M_Accuracy	UB_M_FScore	UB_M_ROC_AUC	UB_M_Precision	UB_M_Recall	UB_M_FNR	UB_M_TNR	UB_M_FPR	UB_M_TPR
0	78.8927335640139	78.9229335469136	0.8165528189476	0.8444444444440	0.7402597402597403	83.7988268158430	73.3809535809524	0.7903961242519240	0.8085106382978720	0.6551724137931030	34.4827586206897	92.5619834710744	7.4380165289256	65.5172413793103	82.1229050279330	82.8235441767068270	82.8086956521739	82.8086956521739	82.8235441767068270	17.5764558232931	82.8086956521739	17.1913043478261	82.8235441767068270
1	84.6387153837990	80.7017543859649	0.8339037297584940	0.8994375	0.7324840764331281	86.0331955307262	73.1187956989250	0.7948148148148150	0.8717948717948720	0.6298629629629630	37.0370370370370	96.0	4.0	62.9629629629630	83.2402234636870	84.375	84.8057303547777	0.9101123595505620	0.7864077669902910	21.3592233009709	89.4736842105263	10.5263157894737	78.6407766990291
2	77.9329069935480	71.6845878136200	0.7637449664204140	0.8196721311475041	0.6369426751592360	81.5642458100558	71.7948717948718	0.7777185501066100	0.84	0.6298557161479170	37.3134328358209	92.8571428571429	7.1428571428571400	62.6865671641791	74.3016759776536	71.6049382716049040	0.7453753538289640	0.8555555555555560	0.6444444444444400	55.5555555555560	84.2686920213483	15.7303370786517 00	74.6666666666667
3	78.7709492706047	76.6187055039710	0.7715572304547780	0.8015873015873020	0.6644736842105260	82.6815642458010	69.3069306930693 00	0.7911111111111 00	0.7918499349059935	0.7777777777777780	0.625	37.5	91.8699186991870	8.1300813008130	62.5	74.5762711864407 0	0.7538885542688	0.8181481481481 0	0.7272727272727	27.2727272727273	81.9271084337350	18.0729281568026	68.75
4	85.7541899441310	81.7204301075269	0.8434466019417480	0.8976377952755910	0.75	87.7094972067390	76.0869565217391	0.8228682170542640	0.8333333333333330	0.7	30.0	94.5736434108520	5.4263565891472 90	70.0	83.7988826815642 0	84.4919786096257 0	0.8482982999745 0	0.9294117647058820	0.7745098039215690	22.5490196078431 0	92.2077922077922 0	7.7922077922077 90	77.4509803921569
5	81.0058659217880	75.8865242829650	0.7980742092890	0.7867647058823529	0.7326875123876870	84.3574189944130	75.4835964912281	0.8121114859383750	0.7962962962962960	0.7166666666666670	28.3333333333333 00	90.7563025210084 0	9.2436974789916 90	71.6666666666670	77.8536312849597 0	77.8571428571429 0	0.7753188297074 20	0.7964896551724 90	0.7777777777777 0	22.2222222222223 0	85.5813953488372 0	20.6455129093260	69.3548387096774
6	83.2402234636870	79.7297297297297 0	0.8237496826605740	0.8428571428571430	0.7564102564102560	87.7094972067390	78.4313725490196 0	0.8387037037037030	0.8333333333333330	0.7407407407407410	25.9259259259259 00	93.6000000000000	6.4	74.0740740740740	78.7709497206704 0	80.4123711340206 0	0.7914385002673 80	0.8478208809565220	0.7675088325294 10	23.5294117647059 0	81.8181818181818 0	18.1818181818182 0	76.4705882352941 0
7	81.2849162011730	76.9754501718210	0.8180209829368300	0.8538461538461540	0.7207792207792210	87.7094972067390	77.5510204081632 0	0.8210382513661200	0.9268292682926830	0.6666666666666670	33.3333333333333	91.3333333333333	8.6666666666667 0	66.6666666666670	83.5333333333333	75.4189944134078 0	0.7867276841483 0	0.8446062015040	0.7272727272727 0	27.2727272727273 0	87.0487804878049	12.9512195121951	73.5294117647059
8	75.4226368751510	67.8200692041523 0	0.7283809150316 30	0.6577181208053691	75.4189944134078 0	58.4905660377586 0	0.6960451977401 13	0.6595744680851060	0.5254237288135590	47.4576271186440	88.6666666666670	13.3333333333333	86.6666666666670	52.5423728813559	72.6256983240240	73.2240437158470 0	0.7265180649185 0	0.7204301075268820	0.7444444444444 50	25.5555555555560	70.7865168539326	29.2134831460674 0	74.4444444444440
9	82.6815642458010	78.1690140845070	0.8183209829368300	0.8538461538461540	0.7207792207792210	87.7094972067390	77.5510204081632 0	0.9268292682926830	0.6666666666666670	0.6666666666666670	33.3333333333333	95.7983193277311	4.2016806722689 80	66.6666666666670	83.4942365591397	0.7872726841483 0	0.8446266570940	0.7500125729067140	0.7888888888888 90	21.1111111111111 0	82.6292829292829	23.1707317073170	73.1958762886598
10	85.4786033519550	82.6666666666670	0.8486753339695520	0.8493150684931510	0.8051948051948050	88.2815642458100	82.0512820512820	0.8621848739495800	0.8421052631578950	0.8	20.0	92.4399747899160	7.5630252100840330	80.0	82.6815642458010	83.0601092896175 0	0.8277847039013842	0.8539325842696930	0.8085106382978720	19.1489361702128 0	84.7058823529412 0	15.2941176470588 0	80.8510638297872 0
11	83.2402234636870	79.1304347826087	0.8604561162790720	0.9254901960784310	0.6666666666666670	88.0559153507280	73.1182795698925 0	0.8621848739495800	0.8421052631578950	0.8415094339622640	35.8490566037736	95.2380952380952 0	4.7619047619047 60	64.1509433962264	83.4492373743933	81.4814814814815 0	0.8509356339139 20	0.8651663925248430	0.7777777777777 0	22.2222222222223 0	85.7142857142857 0	14.2857142857143	77.0
12	82.6815642458010	77.6974172081743	0.8177485370638 70	0.8571428571428570	0.7105263157894740	86.0331955307262	77.0642201834862 0	0.8188385652680480	0.8571428571428570	0.6666666666666670	33.3333333333333	94.9152542372881 0	5.0847457627118 70	66.6666666666670	78.8524590163934 0	79.3296089385475 0	0.7944555444555450	0.8461538461538460	0.7252747252747250	27.4725274725275 0	85.3636363636363 0	14.6363636363636 0	72.5274725274750
13	84.6387153837990	80.5653710247350	0.8361655758852420	0.8321167883211680	0.7808219178082190	87.7094972067390	78.0	0.8478634310852710	0.78	0.78	22.0	91.4728682170543 0	8.5271317829457 40	78.0	81.5642458100590	81.9672131147541 0	0.8133584337944	0.8620689655172410	0.7812500	21.875	85.5421687469880	14.4578313253100	78.125
14	83.5195530726257	77.7358490566380	0.8227736006683380	0.8203539825309350	0.7443609022556450	85.4786033519550	73.4693877551021 0	0.8216054158607040	0.7058823529411770	0.7655774680851 0	23.4245531914893	89.8603603603603	10.4	62.9629629629630	79.3296089385475	78.3825739939421 0	0.7956149715724 20	0.7931034482759	0.7826086956521740	27.1739130434783	83.8689655172413	16.3793103448276	72.8260869565217 0
15	81.2849162011730	74.5247148288973 0	0.7922181913329 47	0.8032786885245900	0.6950354609929080	88.2815642458100	76.9230769230769 0	0.8301978802197800	0.8333333333333330	0.7142857142857140	28.5714285714286	91.6153846153846 0	5.3846153846153990	71.4285714285714 0	74.3016759776536 0	73.2558139534880 4	0.7446015492509 50	0.7875	0.8478260869565220	31.5217391304348 0	80.4597011494250	19.5402298850575 0	68.4782608695652 0
16	77.9329069935480	72.0840565371300	0.7651392717938970	0.8092392692368200	0.6496815286624200	81.0558659217880	74.5833333333333	0.7973419329719890	0.8611111111111110	0.5166666666666670	48.3333333333333	95.7983193277311	4.2016806722689 80	51.6666666666670	75.9352887700534 0	75.0152572290671 40	0.7888888888880	0.7319587628865980	0.7826086956521740	26.8421437113402 0	78.8292829292829	21.7073170731707 0	73.1958762886598
17	82.6815642458010	78.9115642585030	0.8188885689605530	0.8111888111888110	0.7882119205298010	88.2815642458100	82.0512820512820	0.8621848739495800	0.8421052631578950	0.7884615384615380	21.1538461538462000	92.1259842519685	7.8740157480315 00	78.8461538461538 0	77.0949720670391 0	78.5340314136126 0	0.7752378767878790	0.8121739130434800	0.7575757575757580	24.2424242424242000	78.75	21.25	75.7575757575758 0
18	75.2463687150 8	65.7494443667802	0.7123145031752970	0.7036363636363636	0.7516129032258060	76.8435754189944	56.6037735849057 0	0.6825238167341430	0.7317073170731710	0.4613384615384620	53.8461538461590	93.9917127916250	6.0082872083750 4	46.1538461538462 0	73.3333333333333	0.3857162612020	0.7095328282828280	0.7738095238095240	0.6545654565456570	34.3434343434330	78.25	23.75	65.6565656565657 0
19	78.4916201117130	72.0221650496200	0.7883934530430640	0.8196721311475041	0.6451612903225810	81.0558659217880	75.5962555831265530	0.8043478260869570	0.5967741935483670	0.4225806451613	42.3225806451613	92.3076923076923	7.6923076923076900	58.6774193548387 0	75.9776335836139	75.5682130775051	0.7813282620705 80	0.7819230769231	0.7777777777777 0	22.2222222222223 0	81.4814814814815	18.5185185185185	77.7777777777778 0
20	81.2849162011730	78.3250833922260	0.7947870244405 70	0.8337209302325640	0.7012987012987010	83.7988268158430	72.3809523809524	0.7937009424973510	0.7333333333333330	0.6666666666666670	33.3333333333333	93.8655462184874	6.1344537815126 00	66.6666666666670	80.5590062111801	80.0000000000000	0.7886641732828	0.8131111111111	0.7777777777777 0	22.2222222222223 0	85.9375	14.0625	77.7777777777778 0
21	83.2402234636870	76.1904761904762	0.7935254388659730	0.8333333333333330	0.6909789473684210	83.7988268158430	71.8466091147468	0.7859076660017100	0.8222222222222220	0.6379310344827590	36.2068965517241	93.3823529411765	6.6666666666667 0	63.6210344827586	78.7709497206704 0	77.8537837837837 0	0.7820249839053	0.8333333333333	0.7916666666667 0	20.8333333333333	83.1353012048192	16.8674698795181 0	72.9166666666667 0
22	83.2402234636870	79.0209790209790	0.8203144893213700	0.8560606060606060	0.7337662337662340	88.8268154472681	81.4814814814815	0.8545169563978340	0.8	0.7586206896551720	24.1379310344827 80	95.0413231440846	4.9586768559540 10	75.8620689655172	77.9329089385475	78.3825739939421	0.7956149715724	0.7931034482759	0.7826086956521740	27.1739130434783	83.8689655172413	16.3793103448276	72.8260869565217 0
23	77.6536512849162	70.2763225932450	0.7502284220649340	0.7804183967616310	0.6819238993710690	79.3296089385475	64.7619047619048	0.7813559932039	0.7391304378260990	0.5768271864608 47	42.3788155932	90.0	10.0	57.6271186440678	79.9487179487180	79.3296089385475	0.7945111727840	0.7634408602150540	0.8255813953488370	17.4418604651630	76.3440860215054 0	23.6559139784946	82.5581395348837 0
24	78.7709492706047	74.1495969394560	0.7565911771611 30	0.7938950724483750	0.7344303797468540	74.3503797468540	74.3503797468540	0.7813559932039	0.7391304378260990	0.7391304378260990	26.0869565217391	93.3884297520661 0	6.6115702479338800	63.7931034482759	80.2368955721391	0.7875153194280	0.8121658227848	0.8121052631578	0.8181818181818 0	18.1818181818182 0	81.8181818181818 0	18.1818181818182 0	81.8181818181818 0
25	81.5642458100590	77.3972092379079	0.8552487911184	0.8203125000000	0.7742857142857 40	80.1341985967966	74.2857142857143	0.8013417899650	0.8478088888889 40	0.6610949152542	33.8983050847458	94.1666666666667	5.8333333333333	66.3559322033898	80.2520325203252	80.2520325203252	0.8000000000000	0.8000000000000	0.7777777777777 0	22.2222222222223 0	80.2520325203252	19.7479674796748	80.2520325203252
26	78.7709492706047	74.1495969394560	0.7565911771611 30	0.7938950724483750	0.7344303797468540	74.3503797468540	74.3503797468540	0.7813559932039	0.7391304378260990	0.7391304378260990	26.0869565217391	93.3884297520661 0	6.6115702479338800	63.7931034482759	80.2368955721391	0.7875153194280	0.8121658227848	0.8121052631578	0.8181818181818 0	18.1818181818182 0	81.8181818181818 0	18.1818181818182 0	81.8181818181818 0
27	77.3743016759776	70.9677419354839	0.7580726938553563	0.8114754098360660	0.6305732484076430	77.6536312849162	57.4468085106383000	0.6980000000000000	0.675	0.5	50.0	89.6000000000000	10.4	50.0	77.0949720670391 0	77.8373837837837 80	0.7857208942580	0.8780487804878050	0.8992912613502 00	30.0970873786408 0	88.8410526315179	13.1589473684210	69.9029126213592 0
28	77.6536512849162	74.1935483870968	0.7145361707604	0.8156028368794330	0.6804733727810650	81.5642458100590	72.2689075630252 0	0.7852361673413	0.7962962962962960	0.6615384615384620	33.8461538461590	93.3907711926250	6.6092288073750 4	66.1538461538462	73.7430167597765	0.7461538461538460	0.8758620689655520	0.8920760923076900	0.7692307692308 0	23.0769230769231	78.9230769230769	21.0769230769231 0	76.9230769230769 0
29	78.1229050279329	72.9166666666670	0.7708038382885510	0.84	0.6441177914110460	81.5642458100590	66.6666666666670	0.7509435020824860	0.825	0.5593203398935	44.6079661016950	94.1666666666670	5.8333333333333	55.9320339830500	74.8603351955307 0	76.1904761904762	0.7954179487190	0.8470588235294120	0.8235294117647	17.6470588235294	83.5294117647059	16.4705882352941 0	82.3529411764706 0
30	75.1879699248120	75.1879699248120	0.7952959421039030	0.8333333333333330	0.6666666666666670	89.4893150849415	84.9160011173184	0.7873287367330 10	0.8604651162790700	0.7631578947368420	46.4473684210526	92.6315789473684	7.3684210526316 00	53.3333333333333	75.5152025359650	75.9491967871150	0.7813282620705 80	0.7819230769231	0.7777777777777 0	22.2222222222223 0	81.8181818181818	18.1818181818182 0	77.7777777777778 0
31	78.7709492706047	72.2627737226770	0.7722026404688 60	0.75	0.6971830985915490	84.3574189944130	65.0	0.7500805931657000	0.7878787878787880	0.5531914893617020	46.6808510638298 0	94.6969696969697	5.3030303030303000	55.3191489361702000	73.1843575418994 0	75.2573193587629	0.7294486215538850	0.7373737373737370	0.7692308692308 0	23.0769230769231	78.4615384615385	21.5384615384615 0	76.9230769230769 0
32	83.7988268158430	79.2857142857140	0.825	0.8409090909090910	0.75	85.4786033519550	72.5	0.7855862671750	0.7954545454545450	0.6307692307692310	36.9230769230770	92.6923076923077 0	7.0769230769230 8	63.0769230769230	75.5152025359650	75.8473542187546	0.7813282620705 80	0.7819230769231	0.7777777777777 0	22.2222222222223 0	81.8181818181818	18.1818181818182 0	77.7777777777778 0
33	81.1229050279330	77.6237362237760	0.8087655278481 00	0.8671875	0.7025316455696200	86.5921787709497 0	78.9473684210526	0.8345415393164840	0.8490566037735850	0.7377049180327870	26.2295081967213 0	93.2203389830508	6.7796610169491 50	73.7704918032787 0	77.6536312849162	76.7441860465116 0	0.7853281387853 20	0.8	0.8604213713402 10	31.9587628865979 00	89.0249392439250	10.9750397565976 80	68.1212371134020
34	81.6759773768240	78.3850947904850	0.7935101129317	0.7238860970140250	0.8230850835054960	85.4786033519550	84.5098039215686	0.8523944348827 20	0.7507692307692310	0.76	24.0	89.1472868217054 0	10.8527131782946 00	76.0	73.1843575418994 0	71.0843373493976	0.7331337944615 90	0.7511111111111 0	0.7647058823529410	24.2156862745098 0	73.7931034482759	26.2068965517241 0	75.8620689655172 0
35	78.8268156424580	75.3426753424770	0.7911211271283530	0.7580269856510720	0.7428963919727890	83.7988268158430	70.7070707070707 0	0.7957364341085270	0.7142857142857140	0.7	30.0	89.1472868217054 0	10.8527131782946 00	70.0	75.9776335836139	77.7202072538860	0.7585491576562520	0.7815	0.7731958762886600	22.6804123711340	75.2989583333333	25.6097560976100	77.3195876288660
36	77.3743016759776	70.9677419354839	0.7580726938553563	0.8114754098360660	0.6305732484076430	77.6536312849162	57.4468085106383000	0.6980000000000000	0.675	0.5	50.0	89.6000000000000	10.4	50.0	77.0949720670391 0	77.8373837837837 80	0.7857208942580	0.8780487804878050	0.8992912613502 00	30.0970873786408 0	88.8410526315179	13.1589473684210	69.9029126213592 0
37	77.6536512849162	74.1935483870968	0.7145361707604	0.8156028368794330	0.6804733727810650	81.5642458100590	72.2689075630252 0	0.7852361673413	0.7962962962962960	0.6615384615384620	33.8461538461590	93.3907711926250	6.6092288073750 4	66.1538461538462	73.7430167597765	75.8473542187546	0.7813282620705 80	0.7819230769231	0.7777777777777 0	22.2222222222223 0	81.8181818181818	18.1818181818182 0	77.7777777777778 0
38	78.1229050279329	72.9166666666670	0.7708038382885510	0.84	0.6441177914110460	81.5642458100590	66.6666666666670	0.7509435020824860	0.825	0.5593203398935	44.6079661016950	94.1666666666670	5.8333333333333	55.9320339830500	74.8603351955307 0	76.1904761904762	0.7954179487190	0.8470588235294120	0.8235294117647	17.6470588235294	83.5294117647059	16.4705882352941 0	82.3529411764706 0
39	75.9775363128490	69.5335460992980	0.7494373773235480	0.784	0.6240238156850160	76.5363128916030	58.0000000000000	0.6950492928039700	0.7631578947368420	0.4674119348387100	53.2580645161129	92.3076923076923 7	6.9230769230769300	46.7741935483870100	75.4189944134078 0	75.8247158241750	0.7560153075939850	0.7931034482759	0.7826086956521740	26.1739130434783	83.8689655172413	16.3793103448276	72.8260869565217 0
40	78.1229050279329	68.8172043010753 0	0.7419191919191992	0.8067226890756300	0.6	78.7709497206704 0	57.7777777777778 0	0.7007407407407410	0.7222222222222220	0.4814814814814100	51.8518518518590	92.0	8.0	48.1481481481810	72.6256983240240	74.0740740740740	0.7411475833458720	0.8433734939759040	0.6600773584909566	33.9622641509434	82.1917808219178	17.8082191780822	66.0377358490566
41	77.6536512849162	73.5835294117650	0.7955284209860	0.7580269856510720	0.6078431373546000	81.3636363636363	61.3636363636363	0.7011111111111	0.7142857142857140	0.5	50.0	90.0000000000000	10.0	50.0	77.0949720670391 0	77.8373837837837 80	0.7857208942580	0.8780487804878050	0.8992912613502 00	30.0970873786408 0	88.8410526315179	13.1589473684210	69.9029126213592 0
42	81.5642458100590	75.9124087591240	0.7512408759124 10	0.7887188262591	0.8888888888888	89.6624038216560	84.9160011173184	0.7907009326073 00	0.7727272727272730	0.8888888888888	42.0512563157895	93.0377594159265	6.9622641509434 90	57.1428571428571	75.9776335836139	76.1290326806420	0.7813282620705 80	0.7819230769231	0.7777777777777 0	22.2222222222223 0	81.8181818181818	18.1818181818182 0	77.7777777777778 0
43	77.9329069935480	72.8522336769760	0.7704968242214 60	0.7361111111111110	0.7210884353741500	79.8868156424580	64.7058823529412 0	0.7455555555555560	0.6875	0.6111111111111110	38.8888888888890	88.0	12.0	61.1111111111110	75.9776335836139	77.2486772486772 0	0.7587521880470120	0.7604166666666670	0.7894824635591400	21.0553763440860	73.2558139534880	26.7441860465116 0	78.4948236559140
44	81.8435754189940	76.3636363636363	0.7808501045347940	0.7808695652173910	0.7842335766424340	84.3574189944130	73.8333333333333	0.7903645833333	0.7555555555555560	0.6666666666666670	33.3333333333333	91.40625	8.59375	66.6666666666670	75.9776335836139	75.3296089385475	0.7945111727840	0.7634408602150540	0.8255813953488370	17.4418604651630	76.3440860215054 0	23.6559139784946	82.5581395348837 0
45	80.7265693242200	75.6183745583038 0	0.7941666666666670	0.8045127819548950	0.7133333333333330	83.7988268158430	70.1030927835052 0	0.7896124031007750	0.7234042553191490	0.68	32.0	89.9224806201550 0	10.0775193798450 00	68.0	77.6536312849162	78.4942365591400	0.7827521589873420	0.8488372093023260	0.73	27.0	83.5443037974840	16.4556962025316 0	73.0
46	81.6387153837990	81.6053511705686	0.8383207070707070	0.8779784172661190	0.7625	86.0331955307262	77.0642201834862 0	0.8188385652680480	0.8857142857142860	0.8	20.0	88.6852459016393	11.3147540983606	80.6852459016393	83.2402234636870	81.2102631578950	0.8329294404404	0.8791208791208790	0.8080808080808080	19.1919191919192	86.25	13.7500000000000	80.8080808080808
47	83.7988268158430	79.4326241134752 0	0.8252564102564100	0.8484848484848490	0.7466666666666670	87.7094972067390	78.4313725490196 0	0.8354105718475100	0.8510638297872340	0.7272727272727270	27.2727272727273 0	94.3548387096774 0	5.6451612903226 58	72.7272727272727 0	79.8882681564240	80.0	0.8015664160400 100	0.8470588235294120	0.7894736842105 0	24.2105263157895 0	84.5238095238095 0	15.4761904761905 0	75.7894736842105 0
48	77.6536512849162	70.5883529411760	0.7575000000000000	0.7888852459016390	0.6	77.6536312849162	64.7709497206704 0	0.6413384615385 0	0.7287851128050420	0.75	0.55	45.0	90.7563025210840	9.2436974789916 90	55.0000000000000	75.5363128491620	0.7563128491620	0.7563128491620	0.7563128491620	0.7563128491620	0.7563128491620	0.7563128491620	0.7563128491620
49	81.0058659217880	75.5395834353270	0.7944238303556980	0.8333333333333330	0.6909789473684210	83.7988268158430	71.8466091147468	0.7859076660017100	0.8222222222222220	0.6379310344827590	36.2068965517241	93.3884297520661 0	6.6115702479338800	63.7931034482759	78.1229050279329	77.7142857142857 0	0.7852313594242800	0.8395061728395060	0.7230420553191490	27.6595744680851 0	84.7058823529412 0	15.2941176470588 0	72.3404255319149
50	79.6969696969697	75.5852842809500	0.8189457971100	0.8189457971100	0.8189457971100	83.7988268158430	72.3809523809524	0.7903645833333	0.7555555555555560	0.6666666666666670	33.3333333333333	91.4062500000000	8.5937500000000	66.6666666666670	75.5152025359650	75.8473542187546	0.7813282620705 80	0.7819230769231	0.7777777777777 0	22.2222222222223 0	81.8181818181818 0	18.1818181818182 0	77.7777777777778 0
51	77.6536512849162	74.1495373194330	0.7639104307820	0.8145379849673200	0.7439103448275860	79.8868156424580	56.0975609756080	0.6931716082649480	0.7931034482759620	0.4336626415094330	56.6037735849057 0	95.2380952380952 0	4.7619047619047 60	43.3962264150943 0	75.4189944134078 0	75.4189944134078 0	0.7906309013392410	0.8125652287481	0.7894736842105 0	21.0526315789474	78.9473684210526	21.0526315789474 0	78.9473684210526 0
52	78.7709492706047	72.8571428571429	0.7742593491986400	0.7555555555555560	0.7034482758620690	83.2402234636870	63.4146341463415 00	0.7545314637429	0.6666666666666670	0.6046511627906980	39.5348837209302 0	90.4411764705882 0	9.5588235294117 60	60.4651162790698	73.3016759776536	76.7676767676767 60	0.7426788973730	0.7916666666666670	0.7450980392156860	25.4901960784314 0	74.0259740259740	25.9740259740260	74.5098039215686
53	81.2849162011730	76.3250833922260	0.7990304863538460	0.8120300751879700	0.72	83.7988268158430	67.4157303370870	0.7676609105180540	0.75	0.5	50.0	91.6224489795918 40	8.3775510204081600	62.2448979591840	78.7709497206704 0	80.4123711340206 0	0.7899847677054	0.8387097674194	0.7272727272727 20	22.7272727272728 0	81.8181818181818	18.1818181818182 0	77.2727272727270
54	80.4692373430170	76.0273972602740	0.7937658227848100	0.8235820895522400	0.7025316455696200	85.4786033519550	75.0000000000000	0.8055084745762110	0.8666666666666670	0.6610169491525420	33.8983050847460	95.0	5.0	66.1016949152540	75.4189944134078 0	75.5957446808511 0	0.7573863636363640	0.8089887640449440	0.7272727272727270	27.2727272727273 0	78.75	21.25	72.7272727272730
55	81.4786033519550	78.9552833570468	0.8489291483709 30	0.7738490566037700	0.8489208633093530	85.4786033519550	81.4159290353980	0.8539015686274510	0.8679042528301870	0.6666666666666670	33.3333333333333	94.1176470588235	5.8823529411764 7	66.6666666666670	82.6815642458010	83.2432432432430	0.8323888888889	0.8953483872090020	0.7777777777777 80	22.2222222222223 0	88.75	11.25	77.7777777777780
56	83.2402234636870	79.0209790209790	0.8203144893213700	0.8560606060606060	0.7337662337662340	88.8268154472681	81.4814814814815	0.8545169563978340	0.8	0.7586206896551720	24.1379310344827 80	95.0413231440846	4.9586768559540 10	75.8620689655172	77.6536312849162	77.5280988876050	0.7810174698792 0	0.8141463146341 460	0.7187500	28.125	84.3373493975904 0	15.6626506024096 0	71.875
57	77.6536512849162	73.3333333333333	0.7802235024493540	0.7801418439716310	0.6819238993710690	79.3296089385475	64.7619047619048	0.7813559932039	0.7391304378260990	0.5768271864608 47	42.3788155932	90.0	10.0	57.6271186440678	79.9487179487180	79.3296089385475	0.7945111727840	0.7634408602150540	0.7826086956521740	26.1739130434783	83.8689655172413	16.3793103448276	72.8260869565217 0
58	78.1229050279329	70.6769617923323	0.7609683281412250	0.6527777777777780	84.3574189944130	65.8536585365854 0	75.9846367440400	0.8205828205828210	0.7222222222222220	0.7407407407407410	25.9259259259259	90.7692307692308 0	9.2307692307692 00	74.0740740740740	80.2520325203252	80.2520325203252	0.8000000000000	0.8000000000000	0.7777777777777 0	22.2222222222223 0	80.2520325203252	19.7479674796748	80.2520325203252
59	78.7709492706047	74.1495969394560	0.7565911771611 30	0.7938950724483750	0.7344303797468540	74.3503797468540	74.3503797468540	0.7813559932039	0.7391304378260990	0.7391304378260990	26.0869565217391	93.3884297520661 0	6.6115702479338800	63.7931034482759	80.2368955721391	0.7875153194280	0.8121658227848	0.8121052631578	0.8181818181818 0	18.1818181818182 0	81.8181818181818 0	18.1818181818182 0	81.8181818181818 0
60	78.8882681564240	75.0	0.7892398604532720	0.8059701492537310	0.7012987012987010	84.3574189944130	74.2857142857143	0.8013417899650	0.7551020408163270	0.6981130075471700	30.1886792452830	90.4761904761905 0	9.5238095238095 20	69.8113207547170	75.4189944134078 0	75.3440860215054 0	0.7614715877621 20	0.8352941176470590	0.7647058823529410	23.5294117647059	76.4705882352941 0	23.7114002961660	76.2885659739814 0
61	77.9329069935480	73.9405204460966 0	0.7963548673417 70	0.7777777777777 0	0.7443037974683540	74.3503797468540	74.3503797468540	0.7813559932039	0.7391304378260990	0.7391304378260990	26.0869565217391	93.3884297520661 0	6.6115702479338800	63.7931034482759	80.2368955721391	0.7875153194280	0.8121658227848	0.8121052631578	0.8181818181818 0	18.1818181818182 0	81.8181818181818 0	18.1818181818182 0	81.8181818181818 0
62	78.8882681564240	75.0	0.7892398604532720	0.8059701492537310	0.7012987012987010	84.3574189944130	74.2857142857143	0.8013417899650	0.7551020408163270	0.6981130075471700	30.1886792452830	90.4761904761905 0	9.5238095238095 20	69.8113207547170	75.4189944134078 0	75.3440860215054 0	0.7614715877621 20	0.8352941176470590	0.7647058823529410	23.5294117647059	76.4705882352941 0	23.7114002961660	76.2885659739814 0
63	80.7265693242200	73.1829756898250	0.7512

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3.1.4 Balanced training data, with feature selection - Logistic Regression Classifier

	UB_Accuracy	UB_FScore	UB_ROC_AUC	UB_Precision	UB_Recall	UB_F_Accuracy	UB_F_FScore	UB_F_ROC_AUC	UB_F_Precision	UB_F_Recall	UB_F_FNR	UB_F_TNR	UB_F_FPR	UB_F_TPR	UB_M_Accuracy	UB_M_FScore	UB_M_ROC_AUC	UB_M_Precision	UB_M_Recall	UB_M_FNR	UB_M_TNR	UB_M_FPR	UB_M_TPR
0	75.69832402234636	63.54652365983270	0.11882230185959	0.75510204081633	0.5390070921985	78.77094972067040	54.78190476190480	0.65823500032944	0.74195348376966	0.4339622641509	56.60377358490570	93.65079365079400	6.34920634920635	43.39622641509430	72.62589532402240	68.38709674193400	0.72421285132873	0.79104477611940	0.6022722722722720	39.77272727272730	84.61538461538460	15.38461538461540	60.22727272272720
1	70.67039106145425	62.89752650176680	0.69515582489860	0.76068376068376	0.5381445763132530	73.74301675977653	48.46346034653350	0.66667192112220	0.71052631578474	0.4285714285714286	57.14285714285710	90.51724137931040	9.48275862068960	42.85714285714290	67.59776536312850	68.13168313188810	0.68972876852350	0.78481012658228	0.8918474752818	39.80582524271850	77.63157894736840	22.36842105263160	60.19417475728160
2	73.74301675977653	65.69343065693430	0.72165532678818	0.80357142857429	0.5555555555555700	77.94972067039100	57.73195876288660	0.65621489205540	0.73684210526158	0.4745762711864411	52.54237288135590	91.66666666666670	8.33333333333330	47.45762711864410	70.39106145251400	70.05649717514120	0.72022350535355	0.83783783783783	0.8091447752818	39.80582524271850	84.21052631578950	15.78947368421050	60.19417475728160
3	72.34636871508380	52.38461538461540	0.78461534868610	0.51573327044025	0.7264150943396230	77.94972067039100	53.93258426966290	0.67859237536657	0.70588235294117	0.4363636363636360	56.36363636363640	91.93548387096770	8.06451612903226	43.63636363636360	72.62589532402240	67.59756363128850	0.66866666666670	0.69881613846154	0.8285714285714290	42.57142857142860	79.03225806451610	20.96774193548390	57.14285714285710
4	76.25698324022350	65.30612244889796	0.72916121985009	0.80808080808080	0.5479452054794520	73.98882681564200	45.88352941176500	0.75494505494505	0.77777777777778	0.5714285714285710	42.85714285714290	93.84615384615380	6.15384615384615	57.14285714285710	68.71508379888270	65.00000000000000	0.70969806381695	0.85299825396825	0.5360824722826	46.39175257731960	86.58536585365850	13.41463414634150	53.60824742268040
5	72.90527932960900	61.66007905138340	0.70845729171751	0.86666666666667	0.4785276073619630	79.94972067039100	60.10265822784800	0.65528648038539	0.90476190476190	0.3275862068965520	67.24137931034480	98.34170748016560	1.65829251983470	32.75862068965520	67.81609195402300	71.13348113838410	0.85507245378816	0.91904761904762	0.8309523809523980	16.92307692307690	83.80952380952380	16.48648648648650	53.13513513513500
6	75.13968480449930	65.36964980544750	0.72399198759369	0.75675675675675	0.5753424657534250	81.00558659217880	63.82978723404260	0.75336817653891	0.78947368421052	0.5357142857142860	46.42857142857140	93.49534959496490	6.50465040503540	53.57142857142860	69.27374301676980	68.25766871165640	0.69325842696292	0.73972602739726	0.6	40.0	78.65168539325840	21.34831460674160	60.0
7	73.46387150838300	63.20463320463360	0.71335253033492	0.93023255813953	0.5222929936305730	77.94972067039100	51.93197849462370	0.67891025268801	0.82352941176470	0.4285714285714286	57.37704918032790	94.91525423728810	5.08474576271190	42.62295081967210	72.01708607594940	73.03293117266690	0.71208805794940	0.83333333333333	0.7857142857142860	21.42857142857140	84.61538461538460	15.38461538461540	57.14285714285710
8	72.34636871508380	56.76855895196510	0.67641633728590	0.71428571428571	0.4710149275362670	75.41899441340780	46.34146341463410	0.63956274333628	0.65517241379310	0.3584905660377360	64.15094339622640	92.06349206349210	7.93650793650790	35.84905660377360	69.27374301676980	62.58503401360540	0.68548185231539	0.74193548387098	0.5411764705882350	45.88235294117650	82.97872340425530	17.02127659574470	54.11764705882350
9	72.90527932960900	67.29047449329740	0.69446264744299	0.70893455793925	0.5537142857142860	75.41899441340780	48.83720930232560	0.65683450281679	0.55263157894737	0.5263157894737368	43.75	90.25	9.72200000833580	12.97700922366120	43.75	70.39106145251400	0.68074534516490	0.72077236431741	0.7380952380952380	26.19047619047620	82.75862068965520	17.24137931034480	58.69565217391310
10	74.86033519553070	66.91176470588240	0.73010746860139	0.79130434782608	0.5796178343949044	78.21229050279330	62.85172851420960	0.73981833787165	0.75	0.5408360065737300	45.90163934426230	90.67796610169490	9.32203389830510	54.59836065573700	71.50837988826820	68.46107784431140	0.72370008235226	0.81690140845070	0.8041666666667	38.58333333333330	84.33734939759040	15.66265060240960	60.41666666666670
11	72.90527932960900	60.72874493927130	0.69479590177264	0.72115384615384	0.5442754254175225	77.65363128491620	53.48372092032300	0.67784675396573	0.67647058823529	0.4423076923076920	55.76923076923080	91.33852627716400	8.66147372283450	44.23076923076920	68.15642458100560	64.59673291925500	0.68344155841158	0.74285714285714	0.5714285714285710	42.85714285714290	79.54545454545480	20.45454545454550	57.14285714285710
12	75.41899441340780	68.41221374045800	0.73138047354648	0.73138047354648	0.7312611012433600	75.26190476190480	54.88828815642460	0.59090909090910	0.78740740740741	0.7647058823529410	41.48148148148150	85.81851851851850	14.18148148148150	58.52352941176470	75.25057121096725	63.85616438356164	0.60390639603960	0.63096039603960	0.8153846153846160	51.84615384615380	68.39603960396040	31.60396039603960	48.35164835164830
13	77.09472067039100	68.72200026833590	0.74698949937816	0.79646017699115	0.6040268456375838	79.32680938475400	61.21053763440900	0.71982230921569	0.66666666666667	0.5490196078431370	45.09803921568630	89.0625	10.9375	54.90196078431370	74.86033519553070	73.37278106508880	0.76077097505669	0.87323943661978	0.6326530612244900	36.73469387755100	88.88888888888890	11.11111111111110	63.26530612244900
14	73.46357541899440	62.79069767441860	0.70821053965896	0.80190819801982	0.5192335668789810	75.97763637128490	52.74725274725270	0.66954275092507	0.70583223294117	0.5357142857142860	57.89473684210530	91.80327868852460	8.19672131147540	42.10526315789470	72.01708607594940	68.26347305389220	0.71708867039494	0.85074626865674	0.5714285714285710	42.85714285714290	84.61538461538460	15.38461538461540	57.14285714285710
15	74.30167597765360	64.34108527131780	0.71611969111969	0.75454545454545	0.5608108108108110	74.30167597765360	54.90196078431370	0.67672298302371	0.77777777777778	0.4242424242424240	57.57575757575760	92.90035398230990	7.09964601769120	42.42424242424240	74.30167597765360	70.51282051282050	0.73742770932840	0.74324324324324	0.6707317073170730	32.92682926829270	80.41237113402060	19.58762886597940	67.07317073170730
16	73.46357541899440	62.5	0.70360360360360	0.74074074074074	0.5405405405405410	78.21229050279330	46.57534246575340	0.64784411276986	0.60714285714287	0.3333333333333330	71.79166666666670	95.84590103620710	4.15409896379290	28.20833333333330	72.56284501061570	69.93983137435250	0.71985255868950	0.75	0.6166666666667	38.33333333333330	83.84955145631070	16.15044854368930	61.66666666666670
17	72.62569832402240	61.11111111111110	0.70274621212212	0.83895652173913	0.48125	77.94972067039100	49.38716904083700	0.65824622531939	0.85714285714287	0.2857142857142860	95.93495934959350	4.06504065040650	95.71428571428570	28.57142857142860	68.15642458100560	66.66666666666670	0.70371739481795	0.85074626865674	0.4518230769230770	85.16666666666670	13.33333333333330	54.80769230769230	45.19230769230770
18	75.13968480449930	65.63769693799560	0.72588777195260	0.74285714285714	0.8574257425742670	79.32680938475400	54.32098765432100	0.69252854523141	0.82857142857142	0.4762698995652710	52.17391304347830	90.22556390977440	9.77443609022560	47.83695652173910	71.50837988826820	70.94972067039110	0.78651885392360	0.71157897121418	0.75	0.6702176595447	92.97872340425530	7.02127659574470	32.20212765957440
19	72.34636871508380	64.25992779783390	0.70581580620209	0.72950819672131	0.5719335483870967	77.65363128491620	59.18373494086780	0.71092842168314	0.64444444444445	0.5471698113207550	45.28301886792450	87.30158730158730	12.69841269841270	54.71698113207550	73.23308270676690	63.83728036666913	0.79920770220779	0.82352941176470	0.7692307692307690	23.07692307692310	72.00720720720720	27.99279279279280	76.92307692307690
20	72.62569832402240	63.15789438421	0.70894444444444	0.92452830188679	0.525	74.30167597765360	50.0	0.65462682509189	0.74195348376966	0.3770491803278690	62.29508196721310	93.20033983305080	6.79966016694150	37.70491803278690	70.94972067039110	70.11494252873560	0.72058080808080	0.83333333333333	0.6161616161616160	38.38383838383840	82.5	17.5	61.61616161616160
21	74.30167597765360	64.34108527131780	0.72498728324287	0.88297872340425	0.5060975609756100	74.86033519553070	51.62903225806450	0.66461421510673	0.8	0.3809523809523810	61.90476190476190	94.82758620689660	5.17241379310340	38.09523809523810	73.43016759776530	71.51515151515150	0.92187	0.58415841584158	0.5841584158415840	41.58415841584160	93.58974358974360	6.41025641025641	58.41584158416840
22	74.02234636871510	62.34817813765180	0.70960015329581	0.81052631578947	0.5065789473684210	75.97763637128490	53.57412364367800	0.66072955275903	0.75862068965172	0.3793103448275860	62.06896551724140	91.94761904761904	8.02758620689660	37.93103448275860	73.43016759776530	71.15151515151150	0.90528309523810	0.61904761904762	0.8536585365854880	64.69924812030070	78.92608695652174	21.07391304347830	35.30434782608700
23	73.46357541899440	61.78935061788280	0.70479432597219	0.75315315631515	0.5100671140939600	78.77094972067040	53.65835658536580	0.67970370370704	0.78571428571428	0.4074074074074070	59.25925925925930	95.00000000000000	5.00000000000000	40.74074074074070	73.43016759776530	70.94972067039110	0.78260869565214	0.68492481203070	0.7828125281539	43.71875000000000	78.30136986301370	21.69863013698630	56.82191780821920
24	74.58100558659220	64.03162055335970	0.72001142419345	0.83505154639175	0.5192307692307690	81.00558659217880	63.82978723404260	0.73643695014662	0.76923076923076	0.5454545454545450	45.45454545454550	92.74193548387100	7.25806451612930	54.54545454545450	68.15642458100560	64.15094339622640	0.70803452652958	0.83910344827586	0.5049504950495050	49.50495049504950	91.02564102564100	8.97435897435890	50.49504950495050
25	74.30167597765360	64.39491107155529	0.73971055529377	0.84615384615384	0.5412739326838370	76.53631284916200	58.00000000000000	0.69567597135801	0.83333333333333	0.4444444444444440	55.55555555555560	94.00000000000000	5.99999999999990	44.44444444444440	71.50837988826820	69.29282968293930	0.72906708607595	0.875	0.56	44.0	89.87341772151900	10.12658227848100	56.00000000000000
26	75.41899441340780	64.15162902325810	0.72432929328053	0.83333333333333	0.5263157894737368	79.32680938475400	58.47058823529410	0.69422222222222	0.77419354838709	0.4444444444444440	55.55555555555560	94.40000000000000	5.60000000000000	44.44444444444440	71.50837988826820	68.71165644171780	0.73015873015870	0.89153846153846	0.5714285714285710	42.85714285714290	88.88888888888890	11.11111111111110	57.14285714285710
27	73.18435754189940	61.60000000000000	0.70031939485386	0.74039461539415	0.5739726027397260	75.97763637128490	52.74725274725270	0.66906006006006	0.71428571428572	0.6939472140762300	68.66666666666670	93.26666666666670	6.73333333333330	31.06333333333330	70.39106145251400	66.66666666666670	0.70988151948119	0.77941176470588	0.5824175824175820	41.75824175824180	82.35455454545450	17.64544545454550	58.24175824175820
28	74.02234636871510	61.28335061728240	0.70851267306208	0.70851267306208	0.7108526370628200	75.41899441340780	51.57241379310340	0.68023309489495	0.82758620689655	0.4137931034482760	58.62068965517240	95.86776859504130	4.13223140495860	41.37931034482760	73.43016759776530	69.83402235436590	0.73841538461540	0.78897243107769	0.8360655737704920	63.93442622950820	83.84615384615400	16.15384615384620	36.06557377049180
29	73.18435754189940	62.20472440944880	0.7075	0.82291666666667	0.5	75.41899441340780	55.10204081632650	0.67980295565025	0.77142857142857	0.6285714285714290	57.14285714285710	93.10344827586210	6.89655172413790	42.85714285714290	70.94972067039110	66.66666666666670	0.72011278195488	0.85429601639343	0.5473684210526320	45.26315789473680	89.28571428571430	10.71428571428570	54.73684210526320
30	68.94413407821230	54.47058823529410	0.66957844423470	0.78260869565214	0.4411779141104290	75.97763637128490	52.74725274725270	0.69954270092307	0.75862068965172	0.5172413793103450	57.89473684210530	91.80327868852460	8.19672131147540	42.10526315789470	67.59219438654910	63.83018867924530	0.67592194365491	0.82857880866952	0.4528301886792450	54.71698113207550	86.30136986301370	13.69863013698630	45.28301886792450
31	57.97653631284900	69.50354609929080	0.75350726448993	0.89908256880734	0.5864739884393060	78.77094972067040	59.57446808510640	0.70832175043346	0.84848484848484	0.4590163934426230	54.09836065573770	95.76271186440680	4.23728813559322	45.90163934426230	73.18435754189940	74.46808510638300	0.76772388509715	0.92105263157894	0.625	37.5	91.04476190440300	8.95523808559700	62.5
32	75.13968480449930	67.63636363636360	0.73398928022687	0.78135593220339	0.9023566878980890	77.65363128491620	56.52173913043480	0.69488188976377	0.65	0.5	50.0	92.96875937597510	7.03124062402490	50.0	72.62589532402240	72.23040317584700	0.74723294725295	0.85974358974359	0.6380952380952380	36.19047619047620	85.13513513513510	14.86486486486490	63.80952380952380
33	73.46387150838300	64.15094339622640	0.71348670659417	0.78703703703703	0.5414012738853500	76.53631284916200	55.19148936170200	0.68353522188515	0.76470588235294	0.5400740740740741	54.07407407407410	0.3388930357484758	99.66611069642520	45.92592592592590	73.18435754189940	71.76470588235300	0.73308270676692	0.82352941176470	0.7188379882820	28.11764705882350	87.17948717948720	12.82051282051280	71.88379882820000
34	72.90527932960900	65.54826542626250	0.70373027259684	0.76415094339622	0.5294117647058820	75.97763637128490	55.67010309278350	0.68317588218491	0.75	0.4422922508196572	55.73770491803280	92.37881355932200	7.62118644067800	44.26229508196720	69.83402235436590	66.66666666666670	0.70152423881059	0.77142857142857	0.5869565217391310	41.30434782608700	81.60919540229890	18.39080459770120	58.69565217391310
35	74.58100558659220	66.90909090909090	0.73267860040667	0.80000000000000	0.5555555555555560	77.65363128491620	56.25000000000000	0.68823000898476	0.75862068965172	0.5357142857142860	46.875	88.75000000000000	11.25000000000000	53.57142857142860	69.83402235436590	68.29268292682930	0.72546326885880	0.84507042253521	0.5357142857142860	46.42857142857140	91.37931034482760	8.62068965517240	53.57142857142860
36	73.90106145251400	56.91059105959110	0.67482313881889	0.76923076923076	0.4561923023508300	75.43016759776530	47.50882352941200	0.62837234401705	0.83333333333333	0.4545454545454550	45.45454545454550	91.12903225806450	8.87096774193548	54.54545454545450	67.03910614525140	61.09106145251400	0.67198607094940	0.81111111111110	0.62	38.0	87.34177215189870	12.65822784810130	62.0
37	71.78770949720670	61.30268199233370	0.69584455696205	0.77669902912621	0.5063291139240510	73.18435754189940	47.82086956521740	0.63231320650676	0.73333333333333	0.3548387096774419	64.51612903225810	93.16239316239320	6.83760683760680	35.48387096774190	70.39106145251400	68.63905325443790	0.71172188755020	0.79452054794520	0.8041666666667	39.58333333333330	81.92770843373560	18.07229156626500	60.41666666666670
38	71.50837988826820	57.50000000000000	0.67782183963639	0.74193548387068	0.4693877551020410	77.21787709497210	54.25882352941200	0.65823000898476	0.72222222222220	0.5714285714285710	42.85714285714290	91.2	8.80000000000000	57.14285714285710	70.94972067039110	67.77777777778	0.72222222222220	0.7	0.7142857142857140	42.85714285714290	83.84615384615400	16.15384615384620	57.14285714285710
39	75.41899441340780	64.22764227642280	0.72101964331887	0.79	0.5405589041059500	79.88828815642460	57.14285714285710	0.70013786747059	0.72727272727272	0.4705882352941180	52.94117647058820	92.96875	7.03125	47.05882352941180	70.94972067039110	67.90123456790120	0.71804511278195	0.85095522388060	0.5789473684210520	42.10526315789470	85.71428571428570	14.28571428571430	57.89473684210530
40	74.30167597765360	61.47859922178990	0.70400000000000	0.79797979797978	0.5	77.94972067039100	53.93258426966290	0.67822222222220	0.68571428571428	0.4444444444444440	55.55555555555560	91.2	8.80000000000000	44.44444444444440	67.59776536312850	65.47619047619050	0.70442307692307	0.8593075	0.5284846153846154	47.15384615384620	88.0	12.0	52.88461538461540
41	73.46357541899440	62.15139442231080	0.70376523987539	0.72891192616822	0.5416666666666670	77.88828815642460	53.63157894736840	0.67867504835900	0.68965517241379	0.4255319148936170	57.44680851063830	93.18181818181820	6.81818181818180	42.55319148936170	67.03910614525140	66.28571428571430	0.67707785265273	0.74358974358974	0.5979381443298970	40.20618556701030	75.60975609756100	24.39024390243900	59.79381443298970
42	73.46357541899440	62.63636363636360	0.73398928022687	0.78135593220339	0.9023566878980890	77.65363128491620	56.52173913043480	0.69488188976377	0.65	0.5	50.0	92.96875937597510	7.03124062402490	50.0	72.62589532402240	72.23040317584700	0.74723294725295	0.85974358974359	0.6380952380952380	36.19047619047620	85.13513513513510	14.86486486486490	63.80952380952380
43	74.30167597765360	61.84371074382020	0.70814613302260	0.79787234042553	0.5067567567567570	77.97763637128490	53.57412364367800	0.67921325529419	0.75	0.4444444444444440	55.55555555555560	92.37288135593220	7.62711864406780	44.44444444444440	67.59776536312850	65.47619047619050	0.70152423881059	0.77142857142857	0.5869565217391310	41.30434782608700	81.60919540229890	18.39080459770120	58.69565217391310
44	73.46357541899440	62.85714285714290	0.71335253033492	0.93023255813953	0.5222929936305730	77.94972067039100	51.93197849462370	0.67891025268801	0.82352941176470	0.4285714285714286	57.37704918032790	94.91525423728810	5.08474576271190	42.62295081967210	72.01708607594940	73.03293117266690	0.71208805794940	0.83333333333333	0.7857142857142860	21.42857142857140	84.61538461538460	15.38461538461540	57.14285714285710
45	74.30167597765360	64.34108527131780	0.71611969111969	0.75454545454545	0.5608108108108110	74.30167597765360	54.90196078431370	0.67672298302371	0.77777777777778	0.4242424242424240	57.57575757575760	92.90035398230990	7.09964601769120	42.42424242424240	74.30167597765360	70.51282051282050	0.73742770932840	0.74324324324324	0.6707317073170730	32.92682926829270	80.41237113402060	19.58762886597940	67.07317073170730
46	73.18435754189940	62.5	0.70360360360360	0.74074074074074	0.5405405405405410	78.21229050279330	46.57534246575340	0.64784411276986	0.60714285714287	0.3333333333333330	71.79166666666670	95.84590103620710	4.15409896379290	28.20833333333330	72.56284501061570	69.93983137435250	0.71985255868950	0.75	0.6166666666667	38.33333333333330	83.84955145631070	16.15044854368930	61.66666666666670
47	72.62569832402240	61.11111111111110	0.70274621212212	0.83895652173913	0.48125	77.94972067039100	49.38716904083700	0.65824622531939	0.85714285714287	0.2857142857142860	95.93495934959350	4.06504065040650	95.71428571428570	28.57142857142860	68.15642458100560	66.66666666666670	0.70371739481795	0.85074626865674	0.4518230769230770	85.16666666666670	13.33333333333330	54.80769230769230	45.19230769230770
48	74.58100558659220	65.63769693799560	0.72588777195260	0.74285714285714	0.8574257425742670	79.32680938475400	54.32098765432100	0.69252854523141	0.82857142857142	0.4762698995652710	52.17391304347830	90.22556390977440	9.77443609022560	47.83695652173910	71.50837988826820	70.94972067039110	0.78651885392360	0.71157897121418	0.75	0.6702176595447	92.97872340425530	7.02127659574470	32.20212765957440
49	72.34636871508380	64.25992779783390	0.70581580620209	0.72950819672131	0.5719335483870967	77.65363128491620	59.18373494086780	0.71092842168314	0.64444444444445	0.5471698113207550	45.28301886792450	87.30158730158730	12.69841269841270	54.71698113207550	73.23308270676690	63.83728036666913	0.79920770220779	0.82352941176470	0.7692307692307690	23.07692307692310	72.00720720720720	27.99279279279280	76.92307692307690
50	72.62569832402240	63.15789438421	0.70894444444444	0.92452830188679	0.525	74.30167597765360	50.0	0.65462682509189	0.74195348376966	0.3770491803278690	62.29508196721310	93.20033983305080	6.79966016694150	37.70491803278690	70.94972067039110	70.11494252873560	0.72058080808080	0.83333333333333	0.6161616161616160	38.38383838383840	82.5	17.5	61.61616161616160
51	74.30167597765360	64.34108527131780	0.72498728324287	0.88297872340425	0.5060975609756100	74.86033519553070	51.62903225806450	0.66461421510673	0.8	0.3809523809523810	61.90476190476190	94.82758620689660	5.17241379310340	38.09523809523810	73.43016759776530	71.51515151515150	0.92187	0.58415841584158	0.5841584158415840	41.58415841584160	93.58974358974360	6.41025641025641	58.41584158416840
52	74.02234636871510	62.34817813765180	0.70960015329581	0.81052631578947	0.5065789473684210	75.97763637128490	53.57412364367800	0.66072955275903	0.75862068965172	0.3793103448275860	62.06896551724140	91.94761904761904	8.02758620689660	37.93103448275860	73.43016759776530	71.15151515151150	0.90528309523810	0.61904761904762	0.8536585365854880	64.69924812030070	78.92608695652174	21.07391304347830	35.30434782608700
53	73.46357541899440	61.78935061788280	0.70479432597219	0.75315315631515	0.5100671140939600	78.77094972067040	53.65835658536580	0.67970370370704	0.78571428571428	0.4074074074074070	59.25925925925930	95.00000000000000	5.00000000000000	40.74074074074070	73.43016759776530	70.94972067039110	0.78260869565214	0.68492481203070	0.7828125281539	43.71875000000000	78.30136986301370	21.69863013698630	56.82191780821920
54	74.58100558659220	64.03162055335970	0.72001142419345	0.83505154639175	0.5192307692307690	81.00558659217880	63.82978723404260	0.73643695014662	0.76923076923076	0.5454545454545450	45.45454545454550	92.74193548387100	7.25806451612930	54.54545454545450	68.15642458100560	64.15094339622640	0.70803452652958	0.83910344827586	0.5049504950495050	49.50495049504950	91.02564102564100	8.97435897435890	50.49504950495050
55	74.30167597765360	64.39491107155529	0.73971055529377	0.84615384615384	0.5412739326838370	76.53631284916200	58.00000000000000	0.69567597135801	0.83333333333333	0.4444444444444440	55.55555555555560	94.00000000000000	5.99999999999990	44.44444444444440	71.50837988826820	69.29282968293930	0.72906708607595	0.875	0.56	44.0	89.87341772151900	10.12658227848100	56.00000000000000
56	75.41899441340780	64.15162902325810	0.72432929328053	0.83333333333333	0.5263157894737368	79.32680938475400	58.47058823529410	0.69422222222222	0.77419354838709	0.4444444444444440	55.55555555555560	94.40000000000000	5.60000000000000	44.44444444444440	71.50837988826820	68.71165644171780	0.73015873015870	0.89153846153846	0.5714285714285710	42.85714285714290	88.88888888888890	11.11111111111110	57.14285714285710
57	73.18435754189940	61.60000000000000	0.70031939485386	0.74039461539415	0.5739726027397260	75.97763637128490	52.74725274725270	0.66906006006006	0.71428571428572	0.6939472140762300	68.66666666666670	93.26666666666670	6.73333333333330	31.06333333333330	70.39106145251400	66.66666666666670	0.70988151948119	0.77941176470588	0.5824175824175820	41.75824175824180	82.35455454545450	17.64544545454550	58.24175824175820
58	74.02234636871510	61.28335061728240	0.70851267306208	0.70851267306208	0.7108526370628200	75.41899441340780	51.57241379310340	0.68023309489495	0.82758620689655	0.4137931034482760	58.62068965517240	95.86776859504130	4.13223140495860	41.37931034482760	73.43016759776530	69.83402235436590	0.73841538461540	0.78897243107769	0.8360655737704920	63.93442622950820	83.84615384615400	16.15384615384620	36.06557377049180
59	73.18435754189940	62.20472440944880	0.7075	0.82291666666667	0.5	75.41899441340780	55.10204081632650	0.67980295565025	0.77142857142857	0.6285714285714290	57.14285714285710	93.10344827586210	6.89655172413790	42.85714285714290	70.94972067039110	66.66666666666670	0.72011278195488	0.85429601639343	0.5473684210526320	45.26315789473680	89.28571428571430	10.71428571428570	54.73684210526320
60	68.94413407821230	54.47058823529410	0.66957844423470	0.78260869565214	0.4411779141104290	75.97763637128490	52.74725274725270	0.69954270092307	0.75862068965172	0.5172413793103450	57.89473684210530	91.80327868852460	8.19672131147540	42.10526315789470	67.59219438654910	63.83018867924530	0.67592194365491	0.82857880866952	0.4528301886792450	54.71698113207550	86.30136986301370	13.69863013698630	45.28301886792450
61	57.97653631284900	69.50354609929080	0.75350726448993	0.89908256880734	0.5864739884393060	78.77094972067040	59.57446808510640	0.70832175043346	0.84848484848484	0.4590163934426230	54.09836065573770	95.76271186440680	4.23728813559322	45.90163934426230	73.18435754189940	74.46808510638300	0.76772388509715	0.92105263157894	0.625	37.5	91.04476190440300	8.95523808559700	62.5
62	75.13968480449930	67.63636363636360	0.73398928022687	0.78135593220339	0.9023566878980890	77.65363128491620	56.52173913043480	0.69488188976377	0.65	0.5	50.0	92.96875937597510	7.03124062402490	50.0	72.62589532402240	72.23040317584700	0.74723294725295	0.85974358974359	0.6380952380952380	36.19047619047620	85.13513513513510	14.86486486486490	63.80952380952380
63	73.46387150838300	64.15094339622640	0.71348670659417	0.78703703703703	0.5414012738853500	76.53631284916200	55.19148936170200	0.68353522188515	0.76470588235294	0.5400740740740741	54.07407407407410	0.3388930357484758	99.66611069642520	45.92592592592590	73.18435754189940	71.76470588235300	0.73308270676692	0.82352941176470	0.7188379882820	28.11764705882350	87.17948717948720	12.82051282051280	71.88379882820000
64	72.90527932960900	65.54826542626250	0.70373027259684	0.76415094339622	0.5294117647058820	75.97763637128490	55.67010309278350	0.68317588218491	0.75	0.4422922508196572	55.73770491803280	92.37881355932200	7.62118644067800	44.26229508196720	69.83402235436590	66.66666666666670	0.70152423881059	0.77142857142857	0.5869565217391310	41.30434782608700	81.60919540229890	18.39080459770120	58.69565217391310
65	74.58100558659220	66.90909090909090	0.73267860040667	0.80000000000000	0.5555555555555560	77.65363128491620	56.25000000000000	0.68823000898476	0.75862068965172	0.5357142857142860	46.875	88.75000000000000	11.25000000000000	53.57142857142860	69.83402235436590	68.29268292682930	0.72546326885880	0.84507042253521	0.5357142857142860	46.42857142857140	91.37931034482760	8.62068965517240	53.57142857142860
66	73.90106145251400	56.91059105959110	0.67482313881889	0.76923076923076	0.4561923023508300	75.43016759776530	47.50882352941200	0.62837234401

3.1.4 Balanced training data, with feature selection - Support Vector Classifier

	UB_Accuracy	UB_FScore	UB_ROC_AUC	UB_Precision	UB_Recall	UB_F_Accuracy	UB_F_FScore	UB_F_ROC_AUC	UB_F_Precision	UB_F_Recall	UB_F_FNR	UB_F_TNR	UB_F_FPR	UB_F_TPR	UB_M_Accuracy	UB_M_FScore	UB_M_ROC_AUC	UB_M_Precision	UB_M_Recall	UB_M_FNR	UB_M_TNR	UB_M_FPR	UB_M_TPR
	71.27071823204420	55.17241379310340	0.673265159333271	0.810126582278481	0.418300653594771	73.48066298342540	42.85714285714290	0.622652088589851	0.692307692307692	0.310344827586207	68.96551724137930	93.4959349593496	6.504065040650410	31.03448275862070	69.06077348066300	62.16216216216220	0.701407588739290	0.867924528301887	0.484210526315790	51.57894736842110	91.86046511627910	8.13953488372093	48.42105263157890
	72.92817679558010	62.01550387596900	0.714460784313726	0.909090909090909	0.470588235294118	76.79558011049720	53.33333333333330	0.676741664407699	0.857142857142857	0.387096774193548	61.29032258064520	96.63865546218490	3.361344537815130	38.70967741935480	69.06077348066300	66.66666666666670	0.731861998985287	0.933333333333333	0.518518518518519	48.14814814814810	94.52054794520550	5.47945205479452	51.85185185185190
	72.92817679558010	62.01550387596900	0.704144949118888	0.8	0.506329113924051	77.90055248618790	53.48837209302330	0.677560837577816	0.793103448275862	0.403508771929825	59.64912280701750	95.16129032258070	4.838709677419360	40.35087719298250	67.95580110497240	66.27906976744190	0.694678217821782	0.802816901408451	0.564356435643564	43.56435643564360	82.5	17.5	56.43564356435640
	71.54696132596690	55.02183406113540	0.673903508771930	0.818181818181818	0.414473684210526	76.24309392265190	46.91358024691360	0.647532940846650	0.826086956521739	0.327586206896552	67.24137931034480	96.7479674796748	3.252032520325200	32.75862068965520	66.85082872928180	59.45945945945950	0.676571288823673	0.814814814814815	0.468085106382979	53.19148936170210	88.50574712643680	11.49425287356320	46.80851063829790
	70.44198895027620	54.85232067510550	0.666196741854637	0.764705882352941	0.427631578947368	74.03314917127070	44.70588235294120	0.630376344086021	0.678571428571429	0.333333333333333	66.66666666666670	92.74193548387100	7.258064516129030	33.33333333333330	66.85082872928180	60.52631578947370	0.678151774785802	0.807017543859649	0.484210526315790	51.57894736842110	87.20930232558140	12.79069767441860	48.42105263157890
	70.99447513812150	58.82352941176470	0.681549010441016	0.75	0.483870967741936	75.69060773480660	48.83720930232560	0.651137357830271	0.65625	0.388888888888889	61.11111111111110	91.33858267716540	8.661417322834650	38.88888888888890	66.29834254143650	63.90532544378700	0.679826732673267	0.794117647058824	0.534653465346535	46.53465346534650	82.5	17.5	53.46534653465350
	72.37569060773480	60.31746031746030	0.697896039603961	0.826086956521739	0.475	75.69060773480660	50.00000000000000	0.657752153375938	0.758620689655172	0.372881355932203	62.71186440677970	94.26229508196720	5.737704918032790	37.28813559322030	69.06077348066300	65.85365853658540	0.711076732673267	0.857142857142857	0.534653465346535	46.53465346534650	88.75	11.25	53.46534653465350
	69.88950276243100	55.51020408163270	0.673413077658230	0.829268292682927	0.417177914110429	72.92817679558010	44.9438202247191	0.634882478632479	0.8	0.3125	68.75	95.72649572649570	4.273504273504270	31.25	66.85082872928180	61.53846153846150	0.687546193643755	0.842105263157895	0.484848484848485	51.51515151515150	89.02439024390250	10.97560975609760	48.48484848484850
	74.58563535911600	63.4920634920635	0.715137629076300	0.792079207920792	0.529801324503311	79.00552486187850	54.76190476190480	0.686270125223614	0.71875	0.442307692307692	55.76923076923080	93.02325581395350	6.976744186046510	44.23076923076920	70.1657458563536	67.85714285714290	0.714708056171471	0.826086956521739	0.575757575757576	42.42424242424240	85.36585365853660	14.63414634146340	57.57575757575760
	76.79558011049720	63.79310344827590	0.723745173745174	0.804347826086957	0.528571428571429	81.76795580110500	62.06896551724140	0.730090497737557	0.75	0.529411764705882	47.05882352941180	93.07692307692310	6.923076923076920	52.94117647058820	71.8232044198895	64.82758620689660	0.715131900341964	0.839285714285714	0.528089887640449	47.19101123595510	90.21739130434780	9.782608695652170	52.80898876404490
	69.88950276243100	56.57370517928290	0.677080449161667	0.825581395348837	0.430303030303030	75.69060773480660	53.19148936170210	0.672201138519924	0.78125	0.403225806451613	59.67741935483870	94.11764705882350	5.88235294117647	40.32258064516130	64.08839779005530	58.59872611464970	0.672018919591735	0.851851851851852	0.446601941747573	55.33980582524270	89.74358974358980	10.25641025641030	44.66019417475730
	71.27071823204420	58.4	0.686045792079208	0.811111111111111	0.45625	70.71823204419890	39.08045977011490	0.598985829397055	0.607142857142857	0.288135593220339	71.1864406779661	90.98360655737700	9.01639344262295	28.8135593220339	71.8232044198895	68.71165644171780	0.739727722772277	0.903225806451613	0.554455445544555	44.55445544554460	92.5	7.5	55.44554455445550
	74.30939226519340	64.63878326996200	0.725411851487583	0.876288659793814	0.512048192771084	72.92817679558010	44.9438202247191	0.633306429916599	0.769230769230769	0.317460317460317	68.25396825396830	94.91525423728810	5.084745762711870	31.74603174603170	75.69060773480660	74.71264367816090	0.777072442120986	0.915492957746479	0.631067961165049	36.89320388349520	92.3076923076923	7.692307692307690	63.10679611650490
	69.06077348066300	51.30434782608700	0.658354191774049	0.855072463768116	0.366459627329193	72.37569060773480	34.21052631578950	0.591743762265209	0.722222222222222	0.224137931034483	77.58620689655170	95.9349593495935	4.065040650406500	22.41379310344830	65.74585635359120	59.74025974025970	0.691249688822504	0.901960784313726	0.446601941747573	55.33980582524270	93.58974358974360	6.41025641025641	44.66019417475730
	70.71823204419890	54.70085470085470	0.666896833118860	0.771084337349398	0.423841059602649	73.48066298342540	48.93617021276600	0.646212121212121	0.676470588235294	0.383333333333333	61.66666666666670	90.9090909090909	9.090909090909090	38.33333333333330	67.95580110497240	58.57142857142860	0.680830280830281	0.836734693877551	0.450549450549451	54.94505494505500	91.11111111111110	8.88888888888889	45.05494505494510
	68.23204419889500	51.88284518828450	0.650633578089661	0.775	0.389937106918239	70.71823204419890	43.01075268817210	0.621080368906456	0.740740740740741	0.303030303030303	69.6969696969697	93.91304347826090	6.086956521739130	30.30303030303030	65.74585635359120	57.53424657534250	0.663306451612903	0.792452830188679	0.451612903225806	54.83870967741940	87.5	12.5	45.16129032258060
	72.37569060773480	59.67741935483870	0.700357230845036	0.880952380952381	0.451219512195122	79.55801104972380	55.42168674698800	0.690145780768153	0.92	0.396551724137931	60.3448275862069	98.3739837398374	1.626016260162600	39.6551724137931	65.19337016574590	61.81818181818180	0.687232704402516	0.864406779661017	0.481132075471698	51.88679245283020	89.33333333333330	10.66666666666670	48.11320754716980
	71.8232044198895	57.85123966942150	0.689047029702970	0.853658536585366	0.4375	75.13812154696130	54.54545454545460	0.678458498023716	0.818181818181818	0.409090909090909	59.09090909090910	94.78260869565220	5.217391304347830	40.90909090909090	68.50828729281770	60.13986013986010	0.694240645634630	0.877551020408163	0.457446808510638	54.25531914893620	93.10344827586210	6.896551724137930	45.74468085106380
	69.61325966850830	57.69230769230770	0.676511305952930	0.789473684210526	0.454545454545455	71.27071823204420	45.83333333333330	0.631884057971014	0.733333333333333	0.333333333333333	66.66666666666670	93.04347826086960	6.956521739130440	33.33333333333330	67.95580110497240	64.63414634146340	0.694506035969451	0.815384615384615	0.535353535353535	46.46464646464650	85.36585365853660	14.63414634146340	53.53535353535350
	70.99447513812150	58.82352941176470	0.694546568627451	0.882352941176471	0.441176470588235	70.71823204419890	46.46464646464650	0.637258687258687	0.793103448275862	0.328571428571429	67.14285714285710	94.5945945945946	5.405405405405410	32.85714285714290	71.27071823204420	66.66666666666670	0.735308641975309	0.928571428571429	0.52	48.0	95.06172839506170	4.938271604938270	52.0
	74.03314917127070	61.47540983606560	0.709585210501787	0.862068965517241	0.477707006369427	80.66298342541440	56.79012345679010	0.697214931466900	0.851851851851852	0.425925925925926	57.40740740740740	96.8503937007874	3.149606299212600	42.59259259259260	67.40331491712710	63.80368098159510	0.701145133183968	0.866666666666667	0.504854368932039	49.51456310679610	89.74358974358980	10.25641025641030	50.48543689320390
	69.61325966850830	55.28455284552850	0.667945544554455	0.790697674418605	0.425	74.58563535911600	52.08333333333330	0.663797777175386	0.735294117647059	0.403225806451613	59.67741935483870	92.43697478991600	7.563025210084030	40.32258064516130	64.64088397790060	57.33333333333330	0.665170887632161	0.826923076923077	0.438775510204082	56.12244897959180	89.1566265060241	10.84337349397590	43.87755102040820
	74.30939226519340	62.34817813765180	0.709093487097079	0.785714285714286	0.516778523489933	80.66298342541440	54.54545454545450	0.687099236641221	0.777777777777778	0.42	58.00000000000000	95.41984732824430	4.580152671755730	42.0	67.95580110497240	65.88235294117650	0.691364868194137	0.788732394366197	0.565656565656566	43.43434343434340	81.70731707317070	18.29268292682930	56.56565656565660
	74.58563535911600	58.18181818181820	0.695344033052598	0.853333333333333	0.441379310344828	77.90055248618790	42.85714285714290	0.630916030534351	0.75	0.3	70.0	96.18320610687020	3.816793893129770	30.0	71.27071823204420	65.33333333333330	0.723011015911873	0.890909090909091	0.515789473684211	48.42105263157890	93.02325581395350	6.976744186046510	51.57894736842110
	69.06077348066300	50.44247787610620	0.649007242757243	0.791666666666667	0.370129870129870	72.37569060773480	32.43243243243240	0.585101867572156	0.705882352941177	0.210526315789474	78.94736842105260	95.96774193548390	4.032258064516130	21.05263157894740	65.74585635359120	59.21052631578950	0.672434953362789	0.818181818181818	0.463917525773196	53.60824742268040	88.09523809523810	11.90476190476190	46.39175257731960
	70.99447513812150	56.43153526970950	0.677536119310238	0.809523809523810	0.433121019108280	74.03314917127070	52.52525252525250	0.665517241379310	0.764705882352941	0.4	60.0	93.10344827586210	6.896551724137930	40.0	67.95580110497240	59.15492957746480	0.683317049340498	0.84	0.456521739130435	54.34782608695650	91.01123595505620	8.98876404494382	45.65217391304350
	71.54696132596690	58.63453815261040	0.684128371628372	0.768421052631579	0.474025974025974	77.90055248618790	48.71794871794870	0.655560524746571	0.730769230769231	0.365384615384615	63.46153846153850	94.57364341085270	5.426356589147290	36.53846153846150	65.19337016574590	63.1578947368421	0.669769173492182	0.782608695652174	0.529411764705882	47.05882352941180	81.0126582278481	18.9873417721519	52.94117647058820
	72.65193370165750	58.57740585774060	0.687950972051549	0.777777777777778	0.469798657718121	76.79558011049720	47.5	0.647812971342383	0.655172413793103	0.372549019607843	62.74509803921570	92.3076923076923	7.692307692307690	37.25490196078430	68.50828729281770	64.15094339622640	0.699963117777231	0.836065573770492	0.520408163265306	47.95918367346940	87.95180722891570	12.04819277108430	52.04081632653060
	71.54696132596690	55.02183406113540	0.667285531370038	0.724137931034483	0.443661971830986	75.13812154696130	44.44444444444440	0.630748820754717	0.642857142857143	0.339622641509434	66.0377358490566	92.1875	7.8125	33.9622641509434	67.95580110497240	60.81081081081080	0.676722032242306	0.762711864406780	0.505617977528090	49.43820224719100	84.78260869565220	15.21739130434780	50.56179775280900
	71.8232044198895	55.26315789473690	0.670051409777437	0.741176470588235	0.440559440559441	77.90055248618790	52.38095238095240	0.673378582202112	0.666666666666667	0.431372549019608	56.86274509803920	91.53846153846150	8.461538461538460	43.13725490196080	65.74585635359120	56.94444444444440	0.661028334147533	0.788461538461538	0.445652173913043	55.43478260869570	87.64044943820230	12.35955056179780	44.56521739130430
	73.74301675977650	61.47540983606560	0.703830962396840	0.789473684210526	0.503355704697987	75.41899441340780	38.88888888888890	0.607061131088591	0.538461538461538	0.304347826086957	69.56521739130430	90.97744360902260	9.022556390977440	30.43478260869570	72.06703910614520	70.93023255813950	0.743484925907000	0.884057971014493	0.592233009708738	40.77669902912620	89.47368421052630	10.52631578947370	59.22330097087380
	70.94972067039110	57.37704918032790	0.687641438270053	0.875	0.426829268292683	70.39106145251400	40.44943820224720	0.612145748987854	0.75	0.276923076923077	72.3076923076923	94.73684210526320	5.263157894736840	27.69230769230770	71.50837988826820	67.0967741935484	0.737626262626263	0.928571428571429	0.525252525252525	47.47474747474750	95.0	5.0	52.52525252525250
	70.39106145251400	57.25806451612900	0.679887757354100	0.816091954022989	0.440993788819876	73.74301675977650	41.9753086419753	0.621758335708179	0.739130434782609	0.293103448275862	70.6896551724138	95.0413223140496	4.958677685950410	29.31034482758620	67.0391061452514	64.67065868263470	0.696346448645887	0.84375	0.524271844660194	47.57281553398060	86.8421052631579	13.15789473684210	52.42718446601940
	71.7877094972067	55.89519650655020	0.680831423478482	0.853333333333333	0.415584415584416	75.97765363128490	45.56962025316460	0.640389082462253	0.782608695652174	0.321428571428571	67.85714285714290	95.9349593495935	4.065040650406500	32.14285714285710	67.59776536312850	61.33333333333330	0.697656840513984	0.884615384615385	0.469387755102041	53.06122448979590	92.5925925925926	7.407407407407410	46.93877551020410
	72.3463687150838	56.76855895196510	0.683830821895895	0.833333333333333	0.430463576158940	77.09497206703910	50.60240963855420	0.662683284457478	0.75	0.381818181818182	61.81818181818180	94.35483870967740	5.64516129032258	38.18181818181820	67.59776536312850	60.27397260273970	0.693022088353414	0.88	0.458333333333333	54.16666666666670	92.7710843373494	7.228915662650600	45.83333333333330
	71.22905027932960	58.96414342629480	0.685917546027823	0.787234042553192	0.471337579617834	70.39106145251400	40.44943820224720	0.602542372881356	0.6	0.305084745762712	69.49152542372880	90.0	10.0	30.50847457627120	72.06703910614520	69.1358024691358	0.736331569664903	0.875	0.571428571428571	42.85714285714290	90.12345679012350	9.876543209876540	57.14285714285710
	72.06703910614520	59.34959349593500	0.695296717171717	0.848837209302326	0.45625	76.53631284916200	48.78048780487810	0.652964959568733	0.689655172413793	0.377358490566038	62.26415094339620	92.85714285714290	7.142857142857140	37.73584905660380	67.59776536312850	64.63414634146340	0.719885773624091	0.929824561403509	0.495327102803738	50.46728971962620	94.44444444444440	5.555555555555560	49.53271028037380
	69.83240223463690	57.14285714285720	0.678275081719889	0.818181818181818	0.439024390243902	73.18435754189940	42.85714285714290	0.621009490940466	0.666666666666667	0.315789473684211	68.42105263157900	92.62295081967210	7.377049180327870	31.57894736842110	66.4804469273743	64.28571428571430	0.703725337487020	0.885245901639344	0.504672897196262	49.53271028037380	90.27777777777780	9.722222222222220	50.46728971962620
	68.43575418994410	52.32067510548520	0.653702531645570	0.784810126582278	0.392405063291139	73.74301675977650	47.19101123595510	0.643713813068652	0.777777777777778	0.338709677419355	66.12903225806450	94.87179487179490	5.128205128205130	33.87096774193550	63.12849162011170	55.4054054054054	0.647276606425703	0.788461538461538	0.427083333333333	57.29166666666670	86.74698795180720	13.25301204819280	42.70833333333330
	72.06703910614520	58.67768595041320	0.691288779034763	0.835294117647059	0.452229299363057	77.09497206703910	56.84210526315790	0.691386554621849	0.771428571428572	0.45	55.00000000000000	93.27731092436970	6.722689075630250	45.0	67.0391061452514	59.86394557823130	0.690218757857682	0.88	0.453608247422680	54.63917525773200	92.6829268292683	7.317073170731710	45.36082474226800
	71.7877094972067	53.02325581395350	0.662287024901704	0.76	0.407142857142857	77.09497206703910	45.33333333333330	0.638915394402036	0.629629629629630	0.354166666666667	64.58333333333330	92.36641221374050	7.633587786259540	35.41666666666670	66.4804469273743	57.14285714285710	0.671414292853573	0.833333333333333	0.434782608695652	56.52173913043480	90.80459770114940	9.195402298850570	43.47826086956520
	75.69832402234640	62.66094420600860	0.716981132075472	0.839080459770115	0.5	79.3296089385475	54.32098765432100	0.683737646001797	0.785714285714286	0.415094339622642	58.49056603773580	95.23809523809520	4.761904761904760	41.50943396226420	72.06703910614520	67.10526315789470	0.72768192048012	0.864406779661017	0.548387096774194	45.16129032258060	90.69767441860470	9.30232558139535	54.83870967741940
	73.46368715083800	59.91561181434600	0.701938662005403	0.865853658536585	0.458064516129032	75.41899441340780	50.00000000000000	0.657274011299435	0.758620689655172	0.372881355932203	62.71186440677970	94.16666666666670	5.83333333333330	37.28813559322030	71.50837988826820	65.77181208053690	0.731111947791165	0.924528301886793	0.510416666666667	48.95833333333330	95.18072289156630	4.819277108433740	51.04166666666670
	70.39106145251400	56.19834710743800	0.674271952340210	0.8	0.433121019108280	71.50837988826820	41.37931034482760	0.612184873949580	0.666666666666667	0.3	70.0	92.43697478991600	7.563025210084030	30.0	69.27374301675980	64.51612903225810	0.708951470958009	0.862068965517241	0.515463917525773	48.45360824742270	90.2439024390244	9.75609756097561	51.54639175257730
	72.3463687150838	60.24096385542170	0.695137454314318	0.797872340425532	0.483870967741936	74.86033519553070	51.61290322580650	0.661723163841808	0.705882352941177	0.406779661016949	59.32203389830510	91.66666666666670	8.33333333333330	40.67796610169490	69.83240223463690	65.38461538461540	0.711408132530121	0.85	0.53125	46.875	89.1566265060241	10.84337349397590	53.125
	71.22905027932960	56.54008438818570	0.673388786794339	0.744444444444445	0.455782312925170	74.86033519553070	47.05882352941180	0.641126589945488	0.606060606060606	0.384615384615385	61.53846153846150	89.76377952755910	10.23622047244090	38.46153846153850	67.59776536312850	61.84210526315790	0.687844611528822	0.824561403508772	0.494736842105263	50.52631578947370	88.09523809523810	11.90476190476190	49.47368421052630
	72.62569832402240	54.20560747663550	0.669235836627141	0.763157894736842	0.420289855072464	76.53631284916200	44.73684210526320	0.635116279069767	0.653846153846154	0.34	66.0	93.02325581395350	6.976744186046510	34.0	68.71508379888270	59.42028985507250	0.683503996003996	0.82	0.465909090909091	53.40909090909090	90.10989010989010	9.89010989010989	46.59090909090910
	75.97765363128490	61.60714285714290	0.713882398753894	0.8625	0.479166666666667	77.6536312849162	52.38095238095240	0.673126246793959	0.846153846153846	0.379310344827586	62.06896551724140	96.69421487603310	3.305785123966940	37.93103448275860	74.30167597765360	67.14285714285710	0.735621405351338	0.870370370370370	0.546511627906977	45.34883720930230	92.47311827956990	7.526881720430110	54.65116279069770
	70.39106145251400	58.26771653543310	0.684372642695499	0.822222222222222	0.451219512195122	70.39106145251400	41.75824175824180	0.613654891304348	0.703703703703704	0.296875	70.3125	93.04347826086960	6.956521739130440	29.6875	70.39106145251400	67.48466257668710	0.724367088607595	0.873015873015873	0.55	45.0	89.87341772151900	10.12658227848100	55.00000000000000
	69.27374301675980	55.28455284552850	0.662704592404259	0.747252747252747	0.438709677419355	68.71508379888270	40.42553191489360	0.595308123249300	0.558823529411765	0.316666666666667	68.33333333333330	87.39495798319330	12.60504201680670	31.66666666666670	69.83240223463690	64.47368421052630	0.710275689223058	0.859649122807018	0.515789473684211	48.42105263157890	90.47619047619050	9.523809523809520	51.57894736842110
	72.62569832402240	59.16666666666670	0.694549499443826	0.835294117647059	0.458064516129032	76.53631284916200	50.0	0.659620362381363	0.777777777777778	0.368421052631579	63.1578947368421	95.08196721311480	4.918032786885250	36.84210526315790	68.71508379888270	64.1025641025641	0.705719324766944	0.862068965517241	0.510204081632653	48.97959183673470	90.12345679012350	9.876543209876540	51.02040816326530
	70.11173184357540	54.46808510638300	0.668995785404189	0.820512820512821	0.407643312101911	73.74301675977650	49.46236559139780	0.650388996943595	0.71875	0.377049180327869	62.29508196721310	92.37288135593220	7.627118644067800	37.70491803278690	66.4804469273743	57.74647887323940	0.683421184738956	0.891304347826087	0.427083333333333	57.29166666666670	93.97590361445780	6.024096385542170	42.70833333333330
	73.74301675977650	58.7719298245614	0.693475797312611	0.807228915662651	0.462068965517241	77.09497206703910	51.76470588235300	0.670728291316527	0.88	0.366666666666667	63.33333333333330	97.47899159663870	2.521008403361340	36.66666666666670	70.39106145251400	62.93706293706290	0.695556946182728	0.775862068965517	0.529411764705882	47.05882352941180	86.17021276595740	13.82978723404260	52.94117647058820
	71.7877094972067	57.02127659574470	0.682368882512355	0.817073170731707	0.437908496732026	73.74301675977650	48.35164835164840	0.646429563767713	0.733333333333333	0.360655737704918	63.93442622950820	93.22033898305080	6.779661016949150	36.0655737704918	69.83240223463690	62.5	0.704335332333833	0.865384615384615	0.489130434782609	51.08695652173910	91.95402298850570	8.045977011494250	48.91304347826090
	70.6703910614525	52.05479452054790	0.651000264970853	0.686746987951807	0.419117647058824	74.86033519553070	45.78313253012050	0.635448213204119	0.612903225806452	0.365384615384615	63.46153846153850	90.5511811023622	9.448818897637790	36.53846153846150	66.4804469273743	55.88235294117650	0.652506265664160	0.730769230769231	0.452380952380952	54.76190476190480	85.26315789473680	14.73684210526320	45.23809523809520
	69.55307262569830	52.81385281385280	0.655256410256410	0.753086419753086	0.406666666666667	76.53631284916200	43.24324324324320	0.629518995098039	0.695652173913044	0.313725490196078	68.62745098039220	94.53125	5.46875	31.37254901960780	62.56983240223460	57.32484076433120	0.646022727272727	0.775862068965517	0.454545454545455	54.54545454545450	83.75	16.25	45.45454545454550
	74.02234636871510	58.29596412556050	0.691836202399583	0.802469135802469	0.457746478873239	79.88826815642460	53.84615384615390	0.684398854961832	0.7	0.4375	56.25	93.12977099236640	6.870229007633590	43.75	68.15642458100560	60.68965517241380	0.692866082603254	0.862745098039216	0.468085106382979	53.19148936170210	91.76470588235290	8.235294117647060	46.80851063829790
	76.53631284916200	63.79310344827590	0.723857537811026	0.831460674157303	0.517482517482518	81.56424581005590	58.22784810126580	0.707770800627944	0.766666666666667	0.469387755102041	53.06122448979590	94.61538461538460	5.384615384615390	46.93877551020410	71.50837988826820	66.66666666666670	0.724217772215269	0.864406779661017	0.542553191489362	45.74468085106380	90.58823529411770	9.411764705882350	54.25531914893620
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	70.94972067039110	55.55555555555560	0.673393910409692	0.802469135802469	0.424836601307190	74.30167597765360	46.51162790697670	0.638553350589589	0.689655172413793	0.350877192982456	64.91228070175440	92.62295081967210	7.377049180327870	35.08771929824560	67.59776536312850	60.81081081081080	0.692206325301205	0.865384615384615	0.46875	53.125	91.56626506024100	8.433734939759040	46.875
	70.11173184357540	55.96707818930040	0.676713277903754	0.839506172839506	0.419753086419753	72.62569832402240	43.67816091954020	0.627584780810587	0.76	0.306451612903226	69.35483870967740	94.87179487179490	5.128205128205130	30.64516129032260	67.59776536312850	62.82051282051280	0.700696202531646	0.875	0.49	51.0	91.13924050632910	8.860759493670890	49.0
	68.43575418994410	54.25101214574900	0.658869949494950	0.770114942528736	0.41875	66.4804469273743	33.33333333333330	0.569361413043478	0.576923076923077	0.234375	76.5625	90.43478260869570	9.565217391304350	23.4375	70.39106145251400	66.2420382165605	0.716616465863454	0.852459016393443	0.541666666666667	45.83333333333330	89.1566265060241	10.84337349397590	54.16666666666670
	70.94972067039110	55.17241379310340	0.674431908469728	0.831168831168831	0.412903225806452	75.41899441340780	48.83720930232560	0.655181994998611	0.84	0.344262295081967	65.57377049180330	96.61016949152540	3.389830508474580	34.42622950819670	66.4804469273743	58.9041095890411	0.675782227784731	0.826923076923077	0.457446808510638	54.25531914893620	89.41176470588240	10.58823529411760	45.74468085106380
	69.55307262569830	52.81385281385280	0.654458752127420	0.743902439024390	0.409395973154362	72.06703910614520	43.18181818181820	0.615925925925926	0.558823529411765	0.351851851851852	64.81481481481480	88.0	12.0	35.18518518518520	67.0391061452514	58.74125874125870	0.685338345864662	0.875	0.442105263157895	55.78947368421050	92.85714285714290	7.142857142857140	44.21052631578950
	71.50837988826820	55.65217391304350	0.674871794871795	0.8	0.426666666666667	73.18435754189940	41.46341463414630	0.619067796610170	0.739130434782609	0.288135593220339	71.1864406779661	95.0	5.0	28.8135593220339	69.83240223463690	63.51351351351350	0.701423576423576	0.824561403508772	0.516483516483517	48.35164835164840	88.63636363636360	11.36363636363640	51.64835164835170
	74.58100558659220	60.60606060606060	0.705534105534106	0.843373493975904	0.472972972972973	77.6536312849162	55.55555555555560	0.686864406779661	0.806451612903226	0.423728813559322	57.6271186440678	95.0	5.0	42.3728813559322	71.50837988826820	63.82978723404260	0.713920099875156	0.865384615384615	0.505617977528090	49.43820224719100	92.22222222222220	7.777777777777780	50.56179775280900
	71.22905027932960	56.17021276595750	0.680340336533891	0.846153846153846	0.420382165605096	72.62569832402240	39.50617283950620	0.609005414648048	0.695652173913044	0.275862068965517	72.41379310344830	94.21487603305790	5.785123966942150	27.58620689655170	69.83240223463690	64.93506493506490	0.721275252525253	0.909090909090909	0.505050505050505	49.49494949494950	93.75	6.25	50.50505050505050
	68.71508379888270	54.83870967741940	0.667200502433663	0.819277108433735	0.412121212121212	74.30167597765360	46.51162790697670	0.641456582633053	0.769230769230769	0.333333333333333	66.66666666666670	94.9579831932773	5.042016806722690	33.33333333333330	63.12849162011170	59.25925925925930	0.667760617760618	0.842105263157895	0.457142857142857	54.28571428571430	87.83783783783780	12.16216216216220	45.71428571428570
	73.46368715083800	58.14977973568280	0.692768376095822	0.846153846153846	0.442953020134228	70.94972067039110	36.58536585365850	0.592120262182958	0.625	0.258620689655172	74.13793103448280	92.56198347107440	7.43801652892562	25.86206896551720	75.97765363128490	70.34482758620690	0.763174325674326	0.944444444444444	0.560439560439560	43.95604395604400	96.5909090909091	3.409090909090910	56.04395604395600
	67.31843575419000	49.35064935064940	0.641556840807813	0.791666666666667	0.358490566037736	69.83240223463690	40.0	0.612006929637527	0.782608695652174	0.268656716417910	73.13432835820900	95.53571428571430	4.464285714285710	26.86567164179100	64.80446927374300	55.3191489361702	0.654485257371314	0.795918367346939	0.423913043478261	57.60869565217390	88.50574712643680	11.49425287356320	42.39130434782610
	69.55307262569830	55.87044534412960	0.675412152614225	0.841463414634146	0.418181818181818	73.74301675977650	45.97701149425290	0.636158192090396	0.714285714285714	0.338983050847458	66.10169491525420	93.33333333333330	6.666666666666670	33.89830508474580	65.36312849162010	61.25000000000000	0.696885500129232	0.907407407407407	0.462264150943396	53.77358490566040	93.15068493150690	6.849315068493150	46.22641509433960
	66.20111731843580	52.54901960784310	0.658878796391672	0.858974358974359	0.378531073446328	67.59776536312850	32.55813953488370	0.582156183368870	0.736842105263158	0.208955223880597	79.1044776119403	95.53571428571430	4.464285714285710	20.8955223880597	64.80446927374300	62.72189349112430	0.697430830039526	0.898305084745763	0.481818181818182	51.81818181818180	91.30434782608700	8.695652173913040	48.18181818181820
	70.11173184357540	55.96707818930040	0.680153870309311	0.871794871794872	0.412121212121212	76.53631284916200	51.16279069767440	0.663908246225319	0.733333333333333	0.392857142857143	60.71428571428570	93.4959349593496	6.504065040650410	39.28571428571430	63.68715083798880	58.59872611464970	0.696723460026212	0.958333333333333	0.422018348623853	57.79816513761470	97.14285714285710	2.857142857142860	42.20183486238530
	70.11173184357540	55.96707818930040	0.675647129299745	0.829268292682927	0.422360248447205	73.18435754189940	47.82608695652170	0.645788043478261	0.785714285714286	0.34375	65.625	94.78260869565220	5.217391304347830	34.375	67.0391061452514	60.9271523178808	0.688332914256978	0.851851851851852	0.474226804123711	52.57731958762890	90.2439024390244	9.75609756097561	47.42268041237110
	74.30167597765360	58.92857142857140	0.699163449163449	0.868421052631579	0.445945945945946	77.09497206703910	50.60240963855420	0.663718723037101	0.807692307692308	0.368421052631579	63.1578947368421	95.90163934426230	4.098360655737710	36.84210526315790	71.50837988826820	63.82978723404260	0.718843656343656	0.9	0.494505494505495	50.54945054945060	94.31818181818180	5.681818181818180	49.45054945054950
	75.13966480446930	63.37448559670780	0.717719405285636	0.819148936170213	0.516778523489933	75.97765363128490	50.57471264367820	0.659928122192273	0.647058823529412	0.415094339622642	58.49056603773580	90.47619047619050	9.523809523809520	41.50943396226420	74.30167597765360	70.51282051282050	0.756337851405622	0.916666666666667	0.572916666666667	42.70833333333330	93.97590361445780	6.024096385542170	57.29166666666670
	73.74301675977650	59.82905982905980	0.70864898989899	0.945945945945946	0.4375	75.97765363128490	46.91358024691360	0.653225806451613	1.0	0.306451612903226	69.35483870967740	100.0	0.0	30.64516129032260	71.50837988826820	66.66666666666670	0.735512723607962	0.927272727272727	0.520408163265306	47.95918367346940	95.06172839506170	4.938271604938270	52.04081632653060
	71.7877094972067	61.00386100386100	0.703540100250627	0.868131868131868	0.470238095238095	75.41899441340780	50.0	0.656597321174124	0.733333333333333	0.379310344827586	62.06896551724140	93.38842975206610	6.611570247933880	37.93103448275860	68.15642458100560	66.66666666666670	0.730105401844532	0.934426229508197	0.518181818181818	48.18181818181820	94.20289855072460	5.797101449275360	51.81818181818180
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	68.43575418994410	54.61847389558230	0.668170426065163	0.839506172839506	0.404761904761905	70.94972067039110	44.68085106382980	0.631889242183360	0.807692307692308	0.308823529411765	69.11764705882350	95.4954954954955	4.504504504504510	30.88235294117650	65.92178770949720	60.64516129032260	0.684367088607595	0.854545454545455	0.47	53.0	89.87341772151900	10.12658227848100	47.0
	69.55307262569830	55.87044534412960	0.675412152614225	0.841463414634146	0.418181818181818	73.74301675977650	45.97701149425290	0.636158192090396	0.714285714285714	0.338983050847458	66.10169491525420	93.33333333333330	6.666666666666670	33.89830508474580	65.36312849162010	61.25000000000000	0.696885500129232	0.907407407407407	0.462264150943396	53.77358490566040	93.15068493150690	6.849315068493150	46.22641509433960
	66.20111731843580	52.54901960784310	0.658878796391672	0.858974358974359	0.378531073446328	67.59776536312850	32.55813953488370	0.582156183368870	0.736842105263158	0.208955223880597	79.1044776119403	95.53571428571430	4.464285714285710	20.8955223880597	64.80446927374300	62.72189349112430	0.697430830039526	0.898305084745763	0.481818181818182	51.81818181818180	91.30434782608700	8.695652173913040	48.18181818181820
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	74.30167597765360	58.92857142857140	0.699163449163449	0.868421052631579	0.445945945945946	77.09497206703910	50.60240963855420	0.663718723037101	0.807692307692308	0.368421052631579	63.1578947368421	95.90163934426230	4.098360655737710	36.84210526315790	71.50837988826820	63.82978723404260	0.718843656343656	0.9	0.494505494505495	50.54945054945060	94.31818181818180	5.681818181818180	49.45054945054950
	75.13966480446930	63.37448559670780	0.717719405285636	0.819148936170213	0.516778523489933	75.97765363128490	50.57471264367820	0.659928122192273	0.647058823529412	0.415094339622642	58.49056603773580	90.47619047619050	9.523809523809520	41.50943396226420	74.30167597765360	70.51282051282050	0.756337851405622	0.916666666666667	0.572916666666667	42.70833333333330	93.97590361445780	6.024096385542170	57.29166666666670
	73.74301675977650	59.82905982905980	0.70864898989899	0.945945945945946	0.4375	75.97765363128490	46.91358024691360	0.653225806451613	1.0	0.306451612903226	69.35483870967740	100.0	0.0	30.64516129032260	71.50837988826820	66.66666666666670	0.735512723607962	0.927272727272727	0.520408163265306	47.95918367346940	95.06172839506170	4.938271604938270	52.04081632653060
	71.7877094972067	61.00386100386100	0.703540100250627	0.868131868131868	0.470238095238095	75.41899441340780	50.0	0.656597321174124	0.733333333333333	0.379310344827586	62.06896551724140	93.38842975206610	6.611570247933880	37.93103448275860	68.15642458100560	66.66666666666670	0.730105401844532	0.934426229508197	0.518181818181818	48.18181818181820	94.20289855072460	5.797101449275360	51.81818181818180
	74.30167597765360	57.79816513761470	0.688824854266031	0.768292682926829	0.463235294117647	79.3296089385475	46.37681159420290	0.647597254004577	0.695652173913044	0.347826086956522	65.21739130434780	94.73684210526320	5.263157894736840	34.78260869565220	69.27374301675980	63.08724832214770	0.693695380774033	0.796610169491525	0.522222222222222	47.77777777777780	86.51685393258430	13.48314606741570	52.22222222222220
	68.43575418994410	54.61847389558230	0.668170426065163	0.839506172839506	0.404761904761905	70.94972067039110	44.68085106382980	0.631889242183360	0.807692307692308	0.308823529411765	69.11764705882350	95.4954954954955	4.504504504504510	30.88235294117650	65.92178770949720	60.64516129032260	0.684367088607595	0.854545454545455	0.47	53.0	89.87341772151900	10.12658227848100	47.0
	69.83240223463690	54.23728813559320	0.668594545052306	0.831168831168831	0.402515723270440	72.62569832402240	39.50617283950620	0.612324929971989	0.761904761904762	0.266666666666667	73.33333333333330	95.7983193277311	4.201680672268910	26.66666666666670	67.0391061452514	61.93548387096770	0.692424242424243	0.857142857142857	0.484848484848485	51.51515151515150	90.0	10.0	48.48484848484850
	74.86033519553070	61.20689655172410	0.707773326440941	0.825581395348837	0.486301369863014	75.41899441340780	46.34146341463420	0.639925925925926	0.678571428571429	0.351851851851852	64.81481481481480	92.80000000000000	7.200000000000000	35.18518518518520	74.30167597765360	69.33333333333330	0.748125937031484	0.896551724137931	0.565217391304348	43.47826086956520	93.10344827586210	6.896551724137930	56.52173913043480
	71.7877094972067	59.76095617529880	0.697730701533819	0.862068965517241	0.457317073170732	77.09497206703910	51.76470588235300	0.669774011299435	0.846153846153846	0.372881355932203	62.71186440677970	96.66666666666670	3.333333333333330	37.28813559322030	66.4804469273743	63.85542168674700	0.698326898326898	0.868852459016393	0.504761904761905	49.52380952380950	89.1891891891892	10.81081081081080	50.47619047619050
	74.30167597765360	62.90322580645160	0.716069334854390	0.857142857142857	0.496815286624204	73.74301675977650	45.97701149425290	0.636158192090396	0.714285714285714	0.338983050847458	66.10169491525420	93.33333333333330	6.666666666666670	33.89830508474580	74.86033519553070	72.04968944099380	0.765054169816075	0.920634920634921	0.591836734693878	40.81632653061220	93.82716049382720	6.172839506172840	59.18367346938780
	70.6703910614525	58.82352941176470	0.685563114134543	0.806451612903226	0.462962962962963	73.74301675977650	49.46236559139790	0.651295836779708	0.741935483870968	0.370967741935484	62.90322580645160	93.16239316239320	6.837606837606840	37.09677419354840	67.59776536312850	64.19753086419750	0.696708860759494	0.838709677419355	0.52	48.0	87.34177215189870	12.65822784810130	52.0
	72.3463687150838	59.25925925925920	0.690725600408789	0.791208791208791	0.473684210526316	73.74301675977650	50.52631578947370	0.653781512605042	0.685714285714286	0.4	60.0	90.75630252100840	9.243697478991600	40.0	70.94972067039110	64.86486486486490	0.714892553723138	0.857142857142857	0.521739130434783	47.82608695652170	90.80459770114940	9.195402298850570	52.17391304347830
	70.39106145251400	57.60000000000000	0.678676400872286	0.791208791208791	0.452830188679245	71.50837988826820	41.37931034482760	0.607868757259001	0.580645161290323	0.321428571428571	67.85714285714290	89.43089430894310	10.56910569105690	32.14285714285710	69.27374301675980	66.25766871165640	0.722662238119571	0.9	0.524271844660194	47.57281553398060	92.10526315789470	7.894736842105260	52.42718446601940
	70.6703910614525	52.91479820627800	0.662101409717093	0.797297297297297	0.395973154362416	73.74301675977650	41.9753086419753	0.624859943977591	0.809523809523810	0.283333333333333	71.66666666666670	96.63865546218490	3.361344537815130	28.33333333333330	67.59776536312850	59.15492957746480	0.674843945068664	0.792452830188679	0.471910112359551	52.80898876404490	87.77777777777780	12.22222222222220	47.19101123595510
	70.11173184357540	56.68016194331980	0.678826490482932	0.833333333333333	0.429447852760736	71.50837988826820	32.0	0.578687572590012	0.631578947368421	0.214285714285714	78.57142857142860	94.3089430894309	5.691056910569110	21.42857142857140	68.71508379888270	67.44186046511630	0.722416926272066	0.892307692307692	0.542056074766355	45.79439252336450	90.27777777777780	9.722222222222220	54.20560747663550
	69.55307262569830	55.87044534412960	0.667506416959787	0.766666666666667	0.439490445859873	72.62569832402240	46.15384615384620	0.633995554320645	0.7	0.344262295081967	65.57377049180330	92.37288135593220	7.627118644067800	34.42622950819670	66.4804469273743	61.53846153846150	0.677710843373494	0.8	0.5	50.0	85.54216867469880	14.45783132530120	50.0
Mean	**71.60031173801660**	**57.4380107929112**	**68.433791066603%**	**81.91049045793770**	**44.36965047714750**	**74.69674989968830**	**46.7815128640275**	**64.31818672143600**	**73.3421117441001%**	**34.73549683336980**	**65.26450316663020**	**93.9008766095023**	**6.0991233904977**	**34.7354968333698**	**68.50387357634500**	**63.2403490604121**	**70.2726650274924%**	**86.16171514529130**	**50.1120418546284%**	**49.8879581453716**	**90.4332882003564**	**9.56671179964362**	**50.1120418546284**
Standard Deviation	2.19941509369233	3.28312840736777	1.91797452696993%	4.450625352225390	3.655560779392830	3.05787379731354	5.96001723096667	2.971538949090540	8.33259099357494%	5.845873227395820	5.84587322739582	2.23249405499403	2.23249405499403	5.84587322739582	2.92747954840780	3.93155459869301	2.67254533130535%	4.788398569421720	4.35157684348591%	4.35157684348591	3.38844477944837	3.38844477944838	4.35157684348591
T Test Significance (Female to Male)						**0.000000000533318**	**0.000000000000000**	**0.000000000000113**	**0.000000000000000**	**0.000000000000000**	**0.000000000000000**	**0.010199882481145**	**0.000000000000003**	**0.000000000000000**									

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3.1.4 Balanced training data, with feature selection - Gaussian Naive Bayes Classifier

	UB_Accuracy	UB_FScore	UB_ROC_AUC	UB_Precision	UB_Recall	UB_F_Accuracy	UB_F_FScore	UB_F_ROC_AUC	UB_F_Precision	UB_F_Recall	UB_F_FNR	UB_F_TNR	UB_F_FPR	UB_F_TPR	UB_M_Accuracy	UB_M_FScore	UB_M_ROC_AUC	UB_M_Precision	UB_M_Recall	UB_M_FNR	UB_M_TNR	UB_M_FPR	UB_M_TPR
0	74.022463687170	64.092846026641	0.71444796365611	0.78851851851851	0.54966887417221	72.06703910614520	45.652173913043100	0.62683347713546[2]	0.6	0.3684210526315791	63.157894736842[1]	88.524590163934[0]	7.2514970059880[0]	36.842105263157[0]	75.977653631284[0]	72.259470508800	0.76508135186912	0.8493150684931[1]	0.6595744680851[0]	34.042553191489[4]	87.058823529411[8]	12.941176470588[2]	65.957446808510[6]
1	71.787094972067	63.392158862741[0]	0.69233942652017	0.77777777777778	0.49358974358974[4]	71.508379888268[0]	37.037037037037[0]	0.54969370148782	0.625	0.2631578947368[4]	73.684210526315[6]	92.622950819672[10]	3.7370491803278[0]	26.315789473684[2]	72.067039106145[0]	71.264367816092[0]	0.73188131313131	0.6266666666666[7]	0.6262626262626[2]	37.373737373737[4]	83.75	16.25	62.626262626262[6]
2	73.463687150838[0]	59.227467811158[0]	0.69384853067435	0.79310344827586[2]	0.47260273972602[7]	73.184357541899[4]	38.461538461538[5]	0.60092368261658	0.5769230769230[7]	0.2884615384615[8]	73.538461538462[0]	91.138461538462[0]	3.3385267716540	8.6641473228346[5]	28.846153846153[8]	73.743016759776[5]	69.6774193548387[0]	0.6605751984956	0.8852459016394[4]	0.5744680851063[8]	42.553191489361[7]	91.784705823529[0]	2.3529411764706[0]
3	70.949720670391[10]	58.731047058823[0]	0.68365236835631	0.83406747153703	0.45967730061350[0]	73.391061452514[0]	39.080459770114[0]	0.60672554347861	0.2605625	73.4375	94.2868969565220	5.2129313043478[0]	26.5625	71.5087804878049[0]	72.067039106145[0]	70.983263598326[0]	0.6926829268292[6]	0.7312678787878[0]	0.8636363636363[6]	5.5757575757575[7]	94.424242424242[0]	88.75	11.25	57.575757575757[6]
4	70.067039106145[20]	59.349593495935[0]	0.69189515105367	0.81111111111111	0.46794871794871[8]	73.184357541899[4]	35.135135135135[0]	0.59237037037037[0]	0.65	0.2407407407407[1]	75.925925925925[9]	94.400000000000[0]	5.6000000000000[0]	24.074074074074[0]	70.949720670391[0]	69.767441860465[0]	0.7291825821237[9]	0.8571428571428[7]	0.5883529411764[7]	41.176470588235[3]	87.012987012987[0]	12.987012987013[0]	58.823529411764[7]
5	73.463687150838[0]	58.874488744586[0]	0.69783197489783	0.74285714285714[8]	0.44444444444444	78.770497206704[0]	42.424242424242[0]	0.62999677827337	0.7368421052631[8]	0.2978723404255[3]	70.212765957446[8]	96.212121212121[2]	3.7878787878787[9]	29.787234042553[0]	68.156424581005[0]	65.454545454545[0]	0.7500437085276[1]	0.9152542372881[3]	0.5909339622641[5]	40.906603773584[9]	93.150684931506[9]	6.8493150684931[5]	59.093396226415[1]
6	69.553072625698[3]	58.555133078479[0]	0.68602080700175	0.84615384615384[6]	0.44767441860465[1]	71.508379888268[2]	42.696629213483[1]	0.62335054347826[1]	0.76	0.296875	70.3125	94.782608695652[0]	5.2173913043478[0]	29.6875	67.597765363128[5]	66.666666666667[0]	0.7118049034950[5]	0.6787878787878[7]	0.5370703703703[7]	46.296296296296[3]	88.732394366197[0]	11.267605633802[0]	53.703703703703[7]
7	76.259832402235[0]	63.250000000000	0.72412056410256	0.83465966666667	0.58826815642458[0]	73.846153846153[0]	38.634399534995[0]	0.65454545454545	0.375	62.5	99.1869188967188[1]	8.1300813008130[1]	37.5	62.5298969072165[0]	73.463687150838[0]	63.333333333333[0]	0.7341927408261[0]	0.8813559322033[0]	0.5531914893617[0]	42.857142857142[8]	91.666666666667[0]	8.3333333333333[0]	57.142857142857[2]
8	71.787709497207	53.881278538812[8]	0.67573728674633	0.89393939393939	0.38562091503268[0]	70.391061452514[0]	37.647058823529[0]	0.61047441364605[8]	0.8888888888888[8]	0.2380597014925[4]	76.119402985074[6]	92.214285714285[7]	1.7857142857142[9]	23.880597014925[4]	73.184357541899[4]	64.179104477611[9]	0.7231182795699[3]	0.8853333333333[3]	0.5	50.0	94.623655913978[5]	5.3763440860215[0]	50.0
9	72.067039106145[2]	51.240310077519[4]	0.68859522002207	0.80612244897959[2]	0.4375	75.418994413407[8]	41.679049160671[4]	0.64675007190106[4]	0.7407407407407[4]	0.3333333333333[7]	70.370370370370[4]	94.262295081967[0]	5.7377049180328[0]	29.629629629629[6]	75.698324022346[0]	68.715083798882[7]	0.8169195403200[7]	0.7040203956923[9]	0.8308691594295[8]	27.538461538461[2]	93.333333333333[0]	6.6666666666667[0]	72.461538461538[5]
10	72.905027932960[6]	61.860039051383[4]	0.72442084924086	0.79591836734693	0.49681528662420[4]	78.212290502793[3]	48.0	0.65466666666667	0.8571428571428[5]	0.3333333333333[3]	66.666666666667[0]	97.6	2.4	33.333333333333[0]	67.597765363128[0]	67.415730337078[7]	0.7323898396761[1]	0.9375	0.5263157894736[4]	47.368421052631[6]	89.841348461386[1]	10.158651538461[0]	52.631578947368[4]
11	70.067039106145[20]	54.545454545454[6]	0.67413127413127	0.83333333333333	0.40540540540540[7]	70.949720670391[0]	40.579710144927[0]	0.62413893761605	0.875	0.2641509433962[6]	73.584905660377[4]	98.412698412698[4]	1.5873015873015[0]	26.415094339622[6]	67.039106145251[4]	60.927152317880[8]	0.6825814536408[5]	0.8214285714285[7]	0.4821052631579[0]	51.578947368421[0]	88.095238095238[1]	11.904761904761[9]	48.421052631579[0]
12	72.346368715083[8]	61.176470588235[0]	0.69866563995310	0.79591836734693	0.49681528662420[4]	73.740157597750[5]	37.333333333333[0]	0.59819240196078[4]	0.5833333333333[2]	72.549019607843[4]	72.549019607843[4]	92.1875	7.8125	27.450980392156[9]	70.949720670391[0]	71.111111111111[0]	0.7333936417899[1]	0.8848648846865[0]	0.6037735849056[6]	39.622641509433[0]	86.111111111111[0]	13.888888888888[3]	60.377358490566[0]
13	70.670391061452[5]	55.319148936170[2]	0.67674324768497	0.85526315789473	0.40805031446541[3]	73.740157597750[6]	38.961038961039[0]	0.60953837526132	0.7142857142857[4]	0.2678571428571[4]	73.214285714285[7]	95.121951219512[2]	4.8780487804878[0]	26.785714285714[3]	67.597765363128[5]	63.291139240506[3]	0.7082370979836[9]	0.9090909090909[0]	0.4354368932038[4]	51.456310679611[7]	93.421052631578[0]	6.5789473684210[5]	48.543689320388[4]
14	73.463687150838[0]	63.035019455252[0]	0.70906544459856	0.78620967741935	0.62597402597402[5]	75.418994413407[8]	42.151659231390[7]	0.66761993428362	0.6857423674551[5]	0.7058823529411[7]	0.4173931034482[7]	78.620689655172[4]	21.379310344827[6]	31.379310344827[6]	71.508379888268[2]	69.000909090910[2]	0.7245858437349[1]	0.8260869565217[3]	0.5939393939393[2]	40.606060606061[2]	93.333333333333[0]	6.6666666666667[0]	59.375
15	72.625698324022[4]	61.71875	0.70473247785099[5]	0.83157894736842[1]	0.49068322981366[5]	75.418994413407[8]	52.173913043478[0]	0.67907361455749	0.8	0.3870967741935[4]	61.290322580645[0]	94.871794871794[9]	5.1282051282051[3]	38.709677419355[4]	69.832402234636[9]	67.073170731707[3]	0.7152777777777[8]	0.8651538461538[4]	0.5555555555555[4]	44.444444444444[0]	87.5	12.5	55.555555555555[6]
16	70.111731843575[4]	54.077253218884[0]	0.67182247474475	0.86301369863137	0.39375	72.625698324022[4]	37.974683544303[8]	0.61420573338675	0.8823529411764[7]	0.2941176470588[7]	70.588235294118[2]	96.666666666667[0]	3.3333333333333[7]	29.411764705882[3]	73.463687150838[0]	67.597765363128[5]	0.6951524431349[1]	0.8571428571428[7]	0.4897959183673[4]	51.020408163265[3]	90.123456790185[6]	9.8765432098765[4]	48.979591836734[7]
17	74.022463687170[2]	62.040816326530[6]	0.70934162827963	0.82608695652173	0.49673202614379[1]	73.563128491620[0]	47.5	0.64853372430176	0.76	0.5454545454545[4]	65.454545454545[0]	95.161290322580[7]	4.8387096774193[0]	34.545454545454[0]	71.508379888268[0]	69.090909090910[2]	0.7290873146884[1]	0.8507462686567[6]	0.5812903225806[1]	41.836734693877[6]	87.654320987654[3]	12.345679012345[7]	58.163265306122[5]
18	73.740157597765[0]	62.4	0.71039603909861	0.82979723404255	0.5	77.653631284916[2]	51.219512195122[0]	0.77777777777778	0.7777777777778	0.3818181818181[8]	61.818181818181[8]	93.834022346369[0]	6.1655977653631[7]	38.181818181818[2]	69.832402234636[9]	67.857142857142[0]	0.7180756537921[8]	0.8507462686567[6]	0.5463949438424[5]	45.536505435640[3]	87.179487179487[2]	12.820512820512[8]	54.463950564564[2]
19	75.977653631284[9]	64.166666666667[0]	0.72442084924086	0.86666666666667	0.49681528662420[4]	75.418994413407[8]	46.153846153846[0]	0.65220583125294	0.6923076923076[9]	0.5294117647058[8]	72.549019607843[4]	93.75	6.25	35.294117647058[8]	70.949720670391[0]	70.323863636080[8]	0.7164407845103[8]	0.8939393939394	0.6084742268041[8]	39.175257731958[3]	91.463414634146[8]	8.5365853658536[9]	60.824742268041[2]
20	73.740157597765[0]	60.169491525423[7]	0.70128291262752	0.83529411764705[9]	0.47019867549668[8]	74.301675977653[6]	47.727272727272[7]	0.64798737134215[8]	0.8076923076923[6]	0.3387096774193[5]	66.129032258064[5]	95.726495726495[7]	4.2735042735042[0]	33.870967741935[5]	73.184357541899[4]	67.567567567567[6]	0.7389887640449[4]	0.8475762711864[4]	0.5817975238989[8]	43.820224719101[0]	90.0	10.0	56.179775280899[2]
21	70.067039106145[2]	62.121212121212[1]	0.69384884849862	0.85207100591716	0.44303438395987[4]	74.301675977653[6]	50.549505494505[6]	0.66539286872000	0.9	0.4039344884849[4]	63.115151515151[2]	90.238088455752[0]	7.6991150442478[0]	36.884848484849[6]	69.832402234636[9]	68.080924855491[0]	0.7139334937869[6]	0.8426924851427[1]	0.5872155339805[8]	42.718446801417[0]	85.526315789473[0]	14.473684210526[3]	57.281553398058[3]
22	71.508379888268[0]	59.523809523809[0]	0.69062929590507	0.80645161290322[6]	0.51656291390729	82.122950279330[0]	61.904761904761[9]	0.74740740740741	0.6666666666667	0.4814814814814[1]	51.851851851851[9]	96.8	3.2	48.148148148148[0]	66.480500314466[5]	0.7070656273535[7]	0.8839796774191[0]	0.5555555555555[4]	0.4444444444444[0]	55.555555555555[6]	87.5	12.5	44.444444444444[0]
23	74.301675977653[6]	61.666666666667[0]	0.70820512820512[8]	0.82222222222222	0.49333333333333[8]	81.005865921787[8]	59.523809523809[0]	0.71203953279425[0]	0.8064516129032[6]	0.4716981132075[4]	52.830188679245[3]	96.153846153846[2]	3.8461538461538[7]	47.169811320754[0]	67.597765363128[5]	62.820512820512[8]	0.6916017058313[1]	0.8350847457627[1]	0.5015146391752[8]	49.484536082474[0]	87.804878048780[5]	12.195121951219[5]	50.515463917525[8]
24	75.977653631284[9]	68.677685954120[3]	0.68618589743588	0.77173913043478	0.83333333333333[7]	73.184357541899[4]	40.0	0.61033681765389[1]	0.6666666666667	0.2857142857142[8]	71.428571428571[4]	93.495049504950[4]	6.5049504950495[0]	28.571428571428[0]	70.949720670391[0]	70.170620032548[0]	0.7108260325408	0.8088235294117[6]	0.5853658536585[9]	41.463414634146[3]	87.179487179487[2]	12.820512820512[8]	58.536585365853[9]
25	72.625698324022[4]	62.878787878787[0]	0.70923434749814	0.83	0.50609756097561[0]	77.653631284916[2]	53.488372093023[0]	0.67116422030486	0.7931034482758[2]	0.4035087719298[5]	59.649122807017[5]	95.081967213114[8]	4.9180327868852[0]	40.350877192982[5]	67.597765363128[5]	67.415730337078[7]	0.7039849428861[2]	0.8450704225531[1]	0.5607476635514[0]	43.925233644859[6]	84.722222222222[0]	15.277777777778[0]	56.074766355140[2]
26	72.346368715083[8]	59.591836734693[9]	0.69786992082673	0.85714285714285[7]	0.41935483870968[4]	74.301675977653[6]	39.473684210526[3]	0.60709633529413	0.5	0.2941176470588[4]	70.588235294118[7]	92.1875	7.8125	29.411764705882[4]	70.391061452514[0]	69.090909090910[2]	0.7139173407452[0]	0.8571428571428[7]	0.5728153398058[3]	42.718446801417[0]	88.157894736842[1]	11.842105263158[9]	57.281553398058[3]
27	75.418994413407[8]	61.403508771929[8]	0.71410256410256	0.84735897435898	0.46666666666667[0]	80.446927374301[7]	54.545454545454[6]	0.68876835284475	0.9615384615384[6]	0.4818181818181[8]	51.818181818181[8]	95.193548387096[0]	4.8387096774193[0]	48.181818181818[2]	69.832402234636[9]	64.906622516556[0]	0.7162280701754[9]	0.8571428571428[7]	0.5714285714285[7]	42.857142857142[3]	86.666666666667[0]	13.333333333333[3]	57.142857142857[2]
28	75.418994413407[8]	61.403508771929[8]	0.71410256410256	0.84735897435898	0.46666666666667[0]	80.446927374301[7]	54.545454545454[6]	0.68876835284475	0.9615384615384[6]	0.4818181818181[8]	51.818181818181[8]	99.193548387096[8]	0.8064516129032[3]	48.181818181818[2]	69.832402234636[9]	64.906622516556[0]	0.7162280701754[9]	0.8571428571428[7]	0.5714285714285[7]	42.857142857142[3]	86.666666666667[0]	13.333333333333[3]	57.142857142857[2]
29	69.553072625698[3]	53.218884120170[7]	0.65401231582805	0.72093023255814[0]	0.42176870748299[5]	75.418994413407[8]	43.589743589743[6]	0.66291629629630	0.8333333333333[3]	0.6666666666667[0]	92.1875	7.8125	33.333333333333[0]	63.687150837988[8]	50.065415629033[0]	0.7827118644067[8]	0.4875	53.125	83.132530120481[9]	16.867469879518[1]	46.875	53.125301204819[0]	16.867469879518[1]
30	70.949720670391[10]	59.055118110236[5]	0.69236952010202	0.79787234042553	0.46875	74.301675977653[6]	39.473684210526[3]	0.60976340021623	0.6923076923076[9]	0.4523809523809[5]	65.238095238095[2]	93.650793650793[6]	6.3492063492063[5]	30.281886792452[8]	67.597765363128[5]	67.415730337078[7]	0.7039849428861[2]	0.8571428571428[7]	0.5607476635514[0]	43.925233644859[6]	84.722222222222[0]	15.277777777778[0]	56.074766355140[2]
31	73.184357541899[4]	61.6	0.70405121404736	0.81052631578947[4]	0.49677419354838[7]	72.625698324022[4]	42.352941176470[6]	0.61920039548023	0.6923076923076[9]	0.5050847457627[1]	69.491525423728[8]	93.333333333333[6]	6.6666666666667[0]	30.508474576271[0]	73.740157597765[0]	71.515151515151[5]	0.7405070281124[5]	0.8550724637681[6]	0.6145833333333[3]	38.541666666667[0]	87.951807228915[0]	12.048192771084[3]	61.458333333333[3]
32	73.740157597765[0]	60.504201680672[3]	0.70514648457016	0.86746987951672	0.46451612903225[8]	77.094972067039[0]	46.753246753246[8]	0.64666666666667	0.7826086956521[7]	0.5333333333333[3]	66.666666666667[0]	96.0	4.0	33.333333333333[0]	73.184357541899[4]	67.080745341614[9]	0.7286519421179	0.9	0.5345634654635[9]	46.543654345365[1]	92.307692307692[3]	7.6923076923076[9]	53.465345634535[0]
33	72.625698324022[4]	55.454545454545[0]	0.68168871794871[8]	0.87142857142857[1]	0.40666666666667[4]	74.301675977653[6]	41.025641025641[0]	0.62140210886292[4]	0.8	0.2758620689655[1]	72.413793103448[3]	96.694214876033[1]	3.3057851239669[4]	27.586206896551[7]	70.949720670391[0]	63.380281690140[8]	0.7182956520739[6]	0.9	0.4891304347826[9]	51.086956521739[1]	94.252873563218[4]	5.7471264367816[8]	48.913043478260[9]
34	74.860335195530[7]	65.142857142857[4]	0.71461971287854	0.85533908658254	0.54193548387096[8]	74.860335195530[7]	45.544554455445[1]	0.62126909076449	0.7272727272727[7]	0.2909090909090[9]	90.909090909090[9]	95.161290322580[7]	4.8387096774193[0]	27.272727272727[3]	74.860335195530[7]	75.172413793103[5]	0.7138121546961[1]	0.8390625[0]	0.7572715189873[4]	42.427284810126[5]	93.333333333333[0]	6.6666666666667[0]	57.272715189873[4]
35	72.346368715083[8]	59.591836734693[9]	0.69578929262673	0.86904761904761[8]	0.45341614906832[7]	75.067039106145[0]	45.652173913043[5]	0.64089825119238[9]	0.875	0.3088235294117[6]	69.117647058823[5]	97.297297297297[3]	2.7027027027027[0]	30.882352941176[5]	72.625698324022[4]	67.973856209150[3]	0.7335826456612[8]	0.8666666666667[0]	0.5591397849462[3]	44.086021505376[0]	90.697674418604[7]	9.3023255813953[0]	55.913978494623[7]
36	75.139664804469[0]	59.090909090910[0]	0.69813884849862	0.79166666666667[0]	0.53333333333333[8]	77.777777777778[0]	50.000000000000[0]	0.68020540465670	0.7307692307692[3]	0.4130434782608[7]	54.565217391304[7]	94.736842105263[4]	5.2631578947368[0]	45.652173913043[3]	75.977653631284[9]	73.333333333333[0]	0.6917609254548[4]	0.7931034482758[2]	0.6666666666667[0]	33.333333333333[0]	88.333333333333[0]	11.666666666667[0]	66.666666666667[0]
37	70.670391061452[5]	61.538461538461[0]	0.70061844079861	0.84848484848484[9]	0.48275862068965[5]	71.508379888268[2]	48.484848484848[4]	0.64892791612058	0.8275862068965[5]	0.3428571428571[4]	65.714285714285[7]	95.412844036697[0]	4.5871559633027[0]	34.285714285714[3]	73.184357541899[4]	67.973856209150[3]	0.7179487719487[2]	0.8571428571428[7]	0.5769230769230[7]	42.307692307692[3]	86.666666666667[0]	13.333333333333[3]	57.692307692307[0]
38	72.905027932960[6]	61.660079051383[4]	0.70127432649848	0.78	0.50983932156827[3]	73.740157597765[0]	43.379439379506[0]	0.62624678395393	0.72	0.3103448275862[0]	68.965517241379[0]	95.738213966942[0]	4.2613860338057[0]	31.034482758620[7]	70.391061452514[0]	68.156424581005[0]	0.7139173407452[0]	0.8571428571428[7]	0.5883529411764[7]	41.176470588235[3]	88.157894736842[1]	11.842105263158[9]	57.281553398058[3]
39	73.463687150838[0]	61.419475654370[7]	0.71682711019[9]	0.83086419753084[2]	0.52656934024[4]	74.943820224719[1]	50.000361211446[7]	0.67306321144763	0.7142857142857[4]	0.2738688524590[9]	61.273114754098[4]	93.260439560439[7]	6.7396104694106[9]	38.861205479452[6]	73.184357541899[4]	67.973856209150[3]	0.7179487719487[2]	0.8571428571428[7]	0.5714285714285[7]	42.857142857142[3]	86.666666666667[0]	13.333333333333[3]	57.692307692307[0]
40	73.463687150838[0]	61.224489795918[4]	0.70363462458154[0]	0.81521739130434[8]	0.49019607843137[3]	73.740157597765[0]	38.961038961039[0]	0.60813789912024	0.6818181818181[8]	0.2727272727272[7]	72.727272727272[7]	94.285714285714[3]	5.7142857142857[0]	27.272727272727[3]	73.184357541899[4]	71.428571428571[4]	0.7443945391786[4]	0.8571428571428[7]	0.6122448979591[8]	38.775510204081[6]	87.654320987654[3]	12.345679012345[7]	61.224489795918[4]
41	73.463687150838[0]	60.905349794238[7]	0.70349503437287	0.83148687415303	0.48051948051948[1]	76.536312849162[0]	47.5	0.64749251272836	0.7037037037037[4]	0.5384905660377[6]	76.150943396226[4]	93.650793650793[6]	6.3492063492063[5]	46.296296296296[7]	72.470540332850[9]	67.973856209150[3]	0.7179487719487[2]	0.8571428571428[7]	0.5714285714285[7]	42.857142857142[3]	86.666666666667[0]	13.333333333333[3]	57.692307692307[0]
42	73.463687150838[0]	61.538461538461[0]	0.70383849154631	0.8	0.5	74.860335195530[7]	44.444444444444[0]	0.63012878107217[7]	0.6428571428571[4]	0.3396226415094[3]	66.037735849056[8]	96.063492063492[1]	3.9365079365079[4]	33.962264150943[4]	73.184357541899[4]	72.067039106145[2]	0.8795187022891[0]	0.7366792929292[9]	0.8656716417910[4]	0.5858585858585[8]	41.414141414141[4]	88.75	11.25	58.585858585858[6]
43	73.463687150838[0]	60.255104602510[4]	0.70190348668195	0.84705882352941[2]	0.46752246753246[8]	74.301675977653[6]	45.278620689655[0]	0.65094417068630[7]	0.8076923076923[6]	0.5377049180330[5]	75.627118644068[0]	93.333333333333[1]	6.6666666666667[0]	24.372881355932[7]	73.184357541899[4]	72.067039106145[2]	0.7052635178947[0]	0.7276812908401[2]	0.8844067796610[7]	0.5483870967741[9]	45.161290322580[6]	90.697674418604[7]	9.3023255813953[0]
44	73.740157597765[0]	62.098774154188[0]	0.70877143275094	0.81052631578947[4]	0.52539772727272[7]	74.111732185778[0]	44.210526315789[2]	0.63982958629257	0.7142857142857[4]	0.4285714285714[8]	71.428571428571[4]	93.600000000000[7]	6.4000000000000[0]	28.571428571428[0]	73.184357541899[4]	71.428571428571[4]	0.7182272727272[7]	0.8454545454545[4]	0.5714285714285[7]	42.857142857142[3]	85.714285714285[7]	14.285714285714[3]	57.142857142857[2]
45	71.508379888268[0]	56.410256410256[4]	0.68287989872946	0.85714285714285[7]	0.42038216560509[7]	73.184357541899[4]	36.842105263157[9]	0.60416072955257[9]	0.7777777777778[7]	0.2413793103448[2]	75.862068965517[2]	96.694214876033[1]	3.3057851239669[4]	24.137931034482[8]	69.832402234636[9]	65.822784810126[0]	0.7188726262623[6]	0.8813559322033[0]	0.5252525252525[2]	47.474747474747[9]	91.25	8.75	52.525252525252[5]
46	70.067039106145[20]	59.349593495935[0]	0.68858157686278	0.76842105263157[9]	0.48343375086927[3]	73.184357541899[4]	47.826086956521[0]	0.64219227563212	0.7096774193548[9]	0.6364625229092[0]	92.238138539320[7]	92.627118644068[0]	7.3372881355932[0]	29.761861462067[8]	70.949720670391[0]	69.233462263926[0]	0.7120992524681[6]	0.9	0.5333333333333[0]	46.666666666667[0]	93.392592869630[4]	6.6074073130376[0]	53.333333333333[0]
47	70.067039106145[20]	60.0	0.69649621212121	0.83333333333333	0.46875	76.536312849162[0]	52.272727272727[0]	0.66991525423728	0.7931034482758[2]	0.3898305084745[6]	61.016949152542[0]	95.0	5.0	38.983050847457[6]	67.597765363128[5]	66.195308649750[2]	0.6997334348195[0]	0.5145851485145[9]	0.5145851485145[9]	48.541485145149[0]	85.145851485145[0]	14.854148514850[1]	51.538461538461[5]
48	72.905027932960[6]	61.660079051383[4]	0.70435443037975	0.82105263157894[7]	0.49367088607594[9]	76.536312849162[0]	56.25	0.68919836956521[7]	0.8435[7]	0.4217[5]	75.652173913043[4]	95.121951219512[8]	4.8780487804878[0]	24.347826086956[5]	72.470540332850[9]	67.973856209150[3]	0.7179487719487[2]	0.9681528622020[0]	0.5000883604505[0]	42.585[9]	93.333333333333[0]	6.6666666666667[0]	57.415[9]
49	72.625698324022[4]	56.25	0.67903037383176	0.7875	0.4375	75.418994413407[8]	38.888888888888[0]	0.60824175824175[8]	0.6086956521739[1]	0.2857142857142[8]	71.428571428571[4]	93.076923076923[0]	6.9230769230769[1]	28.571428571428[0]	69.832402234636[9]	64.736842105263[0]	0.7102758922035[8]	0.8596491208701[8]	0.5157894736842[1]	48.421052631578[0]	90.476190476190[9]	9.5238095238095[2]	51.578947368421[0]
50	74.860335195530[7]	62.857142857142[0]	0.72899982398793	0.92045454545454[5]	0.44390243902439[0]	75.418994413407[8]	43.589743589743[6]	0.65374463276836	0.8947368421052[6]	0.2631578947368[4]	73.684210526315[6]	98.333333333333[1]	1.6666666666667[0]	26.315789473684[2]	73.184357541899[4]	71.186440678966[1]	0.6095230895238[0]	0.9375362318840[5]	0.6095230895238[0]	37.904761904761[9]	93.243243243243[0]	6.7567567567567[0]	62.095230895238[1]
51	81.005865921787[8]	71.428571428571[4]	0.77358867013105[9]	0.87628865979381[4]	0.82836387934326[4]	84.357541899441[3]	60.000000000000[0]	0.72011785411784[5]	0.8076923076923[6]	0.4772727272727[2]	52.272727272727[3]	96.296296296296[3]	3.7037037037037[0]	47.727272727272[7]	77.653631284916[7]	76.190476190476[2]	0.7872139803872[7]	0.9014085470425[2]	0.6597938144329[0]	34.020618556701[0]	91.463414634146[4]	8.5365853658536[6]	65.979381443299[0]
52	71.229050279329[6]	55.021834061135[4]	0.67936708860759[5]	0.86833195335276[0]	0.39873417721519[0]	74.301675977653[6]	42.5	0.62823526992004[4]	0.9444444444444[4]	0.2741935483870[9]	72.580645161290[3]	95.152939132593[0]	4.8470860867407[0]	27.419354838709[7]	68.156424581005[6]	71.449664429530[3]	0.6974145863438[7]	0.8679425831881[7]	0.4979166666667[6]	52.083333333333[1]	91.562500624103[8]	8.4375439375904[7]	47.916666666667[0]
53	72.346368715083[8]	55.208139094650[2]	0.67859199037154[9]	0.85294117647058[8]	0.40666666666667[4]	74.301675977653[6]	42.857142857142[8]	0.62627209270133[9]	0.7777777777778[7]	0.3333333333333[3]	66.666666666667[0]	96.666666666667[0]	3.3333333333333[7]	33.333333333333[0]	73.184357541899[4]	70.000000000000[2]	0.7251324244244[9]	0.8333333333333[3]	0.5454545454545[4]	45.454545454545[0]	90.909090909090[9]	9.0909090909091[0]	54.545454545454[6]
54	72.905027932960[6]	61.044176708273[0]	0.70223271535634	0.82608695652173	0.49673202614379[1]	74.301675977653[6]	43.333333333333[0]	0.62138211729611	0.7037037037037[4]	0.3333333333333[3]	66.666666666667[0]	96.666666666667[0]	3.3333333333333[7]	33.333333333333[0]	73.184357541899[4]	70.000000000000[2]	0.7251324244244[9]	0.8333333333333[3]	0.5454545454545[4]	45.454545454545[0]	90.909090909090[9]	9.0909090909091[0]	54.545454545454[6]
55	74.581005586592[0]	62.857142857142[0]	0.71445522227900	0.82795699924712[1]	0.50657894736842[1]	74.183435111849[4]	44.666666666667[0]	0.63530319964693[7]	0.6363636363636[3]	0.3684210526315[9]	63.157894736842[1]	90.163934426229[5]	9.8360655737704[0]	36.842105263157[9]	75.977653631284[9]	72.258064516129[0]	0.7092731826573[9]	0.9333333333333[3]	0.5894736842105[9]	41.052631578947[0]	91.258035258035[0]	8.7419041904760[9]	58.947368421052[6]
56	76.259832402235[0]	65.020576131687[0]	0.72407422746399	0.86831388631388	0.51973684210526[3]	80.446927374301[7]	52.657945320549[0]	0.67418129144276	0.9047619047619[5]	0.3653846153846[5]	46.615384615385[5]	92.913385826772[0]	7.0866141732283[5]	53.846153846154[5]	73.740157597765[0]	70.967088079494[4]	0.7306388605949[4]	0.8571428571428[7]	0.6	40.0	87.341772151898[7]	12.658227848101[3]	60.0
57	73.184357541899[4]	60.655737304918[0]	0.69808291320124[6]	0.77894736842105[3]	0.49864429530013[3]	73.740157597765[0]	50.506329113924[0]	0.61126085543875	0.6153846153846[5]	0.3018867924528[0]	69.811320754717[0]	92.913385826772[0]	7.0866141732283[5]	30.188679245283[0]	72.625698324022[4]	70.303030303030[3]	0.7351823092370[4]	0.8457971014498[2]	0.8041666666666[7]	39.583333333333[0]	86.749879518072[0]	13.253012048192[0]	60.416666666666[7]
58	75.139664804469[0]	63.396498044754[0]	0.69636498044754	0.75127315613099[7]	0.83168316831683[2]	73.184357541899[4]	38.536415365463[5]	0.59133585267170	0.7368421052631[8]	0.4615384615385[1]	46.153846153846[1]	92.913385826772[0]	7.0866141732283[5]	53.846153846154[5]	73.740157597765[0]	73.466327683615[8]	0.7591666666666[7]	0.8901095890411[0]	0.625	37.5	89.333333333333[0]	10.666666666667[0]	62.5
59	74.301675977653[6]	61.018491525424[0]	0.70461359899441	0.80898876404494[4]	0.48979591836734[7]	74.067039106145[0]	43.835616438356[5]	0.63507038053399	0.8	0.3018867924528[0]	69.811320754717[0]	96.825396825396[8]	3.1746031746031[0]	30.188679245283[0]	71.508379888268[2]	68.711656441717[8]	0.7214017521902[3]	0.8115942028985[1]	0.5957446808511[0]	40.425531914893[6]	84.705882352941[0]	15.294117647058[0]	59.574468085106[4]
60	72.625698324022[4]	61.71875	0.70463385244622	0.84962365591398	0.48462576687117[1]	74.301675977653[6]	38.888888888888[0]	0.60666851903306	0.7586206896551[7]	0.3096553737049[8]	63.934622225026[0]	96.067796610169[5]	3.9322033898305[0