Wilcoxon Signed Ranks test.

KEEL non-parametric statistical module

December 15, 2011

1 Detailed results for Self-Training (NN)

1.1 Results

1.2 Confidence intervals for Median of diferences

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (C45)	519.0	1021.0	-	1
Self-Training (NB)	982.0	558.0	-	0.074395
Self-Training (SMO)	593.0	947.0	-	1
Co-Training (NN)	853.5	631.5	-	0.334951
Co-Training (C45)	522.0	1018.0	-	1
Co-Training (NB)	879.0	661.0	-	0.358403
Co-Training (SMO)	430.0	1055.0	-	1
Democratic-Co	403.0	1082.0	-	1
SETRED	535.0	950.0	-	1
TriTraining (NN)	1031.0	454.0	-	0.012737
TriTraining (C45)	431.0	1109.0	-	1
TriTraining (NB)	904.0	636.0	-	0.259779
TriTraining (SMO)	567.0	973.0	-	1
DE-TriTraining (NN)	785.5	699.5	-	0.707999
DE-TriTraining (C45)	625.5	914.5	-	1
DE-TriTraining (NB)	867.5	672.5	-	0.4111
DE-TriTraining (SMO)	554.0	986.0	-	1
CoForest	565.5	919.5	-	1
Rasco (NN)	1280.5	204.5	-	0.000003
Rasco (C45)	630.5	909.5	-	1
Rasco (NB)	951.0	589.0	-	0.128334
Rasco (SMO)	831.0	654.0	-	0.443001
Co-Bagging (NN)	542.0	998.0	-	1
Co-Bagging (C45)	597.5	942.5	-	1
Co-Bagging (NB)	880.0	660.0	-	0.353525
Co-Bagging (SMO)	405.0	1080.0	-	1
Rel-Rasco (NN)	1312.5	172.5	-	0.000001
Rel-Rasco (C45)	660.5	879.5	-	1
Rel-Rasco (NB)	956.0	584.0	-	0.118147
Rel-Rasco (SMO)	871.5	668.5	-	0.39227
CLCC	1172.0	368.0	-	0.000736
APSSC	989.5	495.5	-	0.032898
SNNRCE	884.5	655.5	-	0.333251
ADE-CoForest	763.0	777.0	-	1

Table 1: Results obtained by the Wilcoxon test for algorithm Self-Training (NN)

α=0.90	Confidence interval	Exact confidence
Self-Training (C45)	[-0.0339 , -0.00585]	2
Self-Training (NB)	[0.0014 , 0.0531]	2
Self-Training (SMO)	[-0.02165 , 0.0007]	2
Co-Training (NN)	[-0.0012 , 0.0052]	2
Co-Training (C45)	[-0.03265 , -0.00405]	2
Co-Training (NB)	[-0.0109 , 0.03765]	2
Co-Training (SMO)	[-0.0301 , -0.00795]	2
Democratic-Co	[-0.0372 , -0.01155]	2
SETRED	[-0.0033 , 0]	2
TriTraining (NN)	[0.00275 , 0.01425]	2
TriTraining (C45)	[-0.0344 , -0.011]	2
TriTraining (NB)	[-0.0088 , 0.04125]	2
TriTraining (SMO)	[-0.0232 , -0.00045]	2
DE-TriTraining (NN)	[-0.0063 , 0.0108]	2
DE-TriTraining (C45)	[-0.0225 , 0.0051]	2
DE-TriTraining (NB)	[-0.01165 , 0.03995]	2
DE-TriTraining (SMO)	[-0.01965 , -0.001]	2
CoForest	[-0.0275 , 0.00055]	2
Rasco (NN)	[0.0108 , 0.0241]	2
Rasco (C45)	[-0.0269 , 0.0053]	2
Rasco (NB)	[-0.00145 , 0.05145]	2
Rasco (SMO)	[-0.0094 , 0.0233]	2
Co-Bagging (NN)	[-0.011 , -0.00105]	2
Co-Bagging (C45)	[-0.03055 , 0.00195]	2
Co-Bagging (NB)	[-0.00995 , 0.03965]	2
Co-Bagging (SMO)	[-0.02945 , -0.00885]	2
Rel-Rasco (NN)	[0.0114 , 0.02895]	2
Rel-Rasco (C45)	[-0.02575 , 0.00865]	2
Rel-Rasco (NB)	[-0.0022 , 0.0553]	2
Rel-Rasco (SMO)	[-0.0079 , 0.0274]	2
CLCC	[0.02405 , 0.0866]	2
APSSC	[0.00405 , 0.0406]	2
SNNRCE	[-0.00195 , 0.00685]	2
ADE-CoForest	[-0.014 , 0.01705]	2

Table 2: Confidence intervals for algorithm Self-Training (NN) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (C45)	[-0.03645 , -0.0013]	2
Self-Training (NB)	[-0.00285 , 0.05955]	2
Self-Training (SMO)	[-0.024 , 0.00345]	2
Co-Training (NN)	[-0.0016 , 0.0062]	2
Co-Training (C45)	[-0.0352 , -0.001]	2
Co-Training (NB)	[-0.0166 , 0.04535]	2
Co-Training (SMO)	[-0.0322 , -0.00635]	2
Democratic-Co	[-0.04045 , -0.0087]	2
SETRED	[-0.0035 , 0]	2
TriTraining (NN)	[0.0015 , 0.01575]	2
TriTraining (C45)	[-0.03705 , -0.008]	2
TriTraining (NB)	[-0.01295 , 0.04745]	2
TriTraining (SMO)	[-0.0255 , 0.00195]	2
DE-TriTraining (NN)	[-0.00825 , 0.0132]	2
DE-TriTraining (C45)	[-0.02435 , 0.0088]	2
DE-TriTraining (NB)	[-0.01505 , 0.04665]	2
DE-TriTraining (SMO)	[-0.02155 , 0.0005]	2
CoForest	[-0.0301 , 0.00455]	2
Rasco (NN)	[0.01 , 0.02595]	2
Rasco (C45)	[-0.03 , 0.0097]	2
Rasco (NB)	[-0.00915 , 0.05935]	2
Rasco (SMO)	[-0.0123 , 0.02805]	2
Co-Bagging (NN)	[-0.01205 , 0.00005]	2
Co-Bagging (C45)	[-0.03445 , 0.006]	2
Co-Bagging (NB)	[-0.0135 , 0.04545]	2
Co-Bagging (SMO)	[-0.03265 , -0.0066]	2
Rel-Rasco (NN)	[0.0106 , 0.03055]	2
Rel-Rasco (C45)	[-0.0289 , 0.0131]	2
Rel-Rasco (NB)	[-0.007 , 0.06175]	2
Rel-Rasco (SMO)	[-0.0121 , 0.03225]	2
CLCC	[0.0186 , 0.09255]	2
APSSC	[0.00175 , 0.04455]	2
SNNRCE	[-0.00275 , 0.0077]	2
ADE-CoForest	[-0.01585 , 0.02235]	2

Table 3: Confidence intervals for algorithm Self-Training (NN) (α=0.95)

2 Detailed results for Self-Training (C45)

2.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	1021.0	519.0	-	0.0351
Self-Training (NB)	1237.5	302.5	-	0.000087
Self-Training (SMO)	876.5	663.5	-	0.369482
Co-Training (NN)	1018.0	467.0	-	0.017482
Co-Training (C45)	705.5	834.5	-	1
Co-Training (NB)	1099.0	441.0	-	0.005716
Co-Training (SMO)	784.5	755.5	-	0.899882
Democratic-Co	649.5	890.5	-	1
SETRED	962.0	578.0	-	0.106406
TriTraining (NN)	1027.0	458.0	-	0.014131
TriTraining (C45)	514.5	1025.5	-	1
TriTraining (NB)	1091.0	394.0	-	0.002628
TriTraining (SMO)	871.5	668.5	-	0.39227
DE-TriTraining (NN)	973.5	566.5	-	0.087078
DE-TriTraining (C45)	1060.0	425.0	-	0.00607
DE-TriTraining (NB)	1164.5	375.5	-	0.000923
DE-TriTraining (SMO)	946.0	539.0	-	0.078683
CoForest	676.0	864.0	-	1
Rasco (NN)	1281.0	259.0	-	0.000018
Rasco (C45)	1043.5	496.5	-	0.02101
Rasco (NB)	1173.0	367.0	-	0.000723
Rasco (SMO)	1103.0	382.0	-	0.001882
Co-Bagging (NN)	935.5	549.5	-	0.093561
Co-Bagging (C45)	886.5	598.5	-	0.211955
Co-Bagging (NB)	1152.0	388.0	-	0.001352
Co-Bagging (SMO)	845.5	694.5	-	0.52384
Rel-Rasco (NN)	1317.0	223.0	-	0.000004
Rel-Rasco (C45)	1146.5	393.5	-	0.001531
Rel-Rasco (NB)	1201.0	339.0	-	0.0003
Rel-Rasco (SMO)	1134.0	406.0	-	0.002258
CLCC	1335.0	205.0	-	0.000002
APSSC	1163.0	377.0	-	0.000977
SNNRCE	1058.0	482.0	-	0.01564
ADE-CoForest	959.0	581.0	-	0.112346

Table 4: Results obtained by the Wilcoxon test for algorithm Self-Training (C45)

2.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[0.00585 , 0.0339]	2
Self-Training (NB)	[0.0282 , 0.06575]	2
Self-Training (SMO)	[-0.00705 , 0.0232]	2
Co-Training (NN)	[0.00805 , 0.0339]	2
Co-Training (C45)	[-0.00315 , 0.00155]	2
Co-Training (NB)	[0.01375 , 0.0498]	2
Co-Training (SMO)	[-0.012 , 0.01385]	2
Democratic-Co	[-0.01425 , 0.00315]	2
SETRED	[-0.00075 , 0.02825]	2
TriTraining (NN)	[0.01085 , 0.0457]	2
TriTraining (C45)	[-0.00605 , -0.00075]	2
TriTraining (NB)	[0.0166 , 0.04955]	2
TriTraining (SMO)	[-0.0074 , 0.02025]	2
DE-TriTraining (NN)	[0.00055 , 0.02885]	2
DE-TriTraining (C45)	[0.0046 , 0.01965]	2
DE-TriTraining (NB)	[0.0171 , 0.05015]	2
DE-TriTraining (SMO)	[0.00105 , 0.0258]	2
CoForest	[-0.01465 , 0.00635]	2
Rasco (NN)	[0.02965 , 0.05995]	2
Rasco (C45)	[0.00125 , 0.01185]	2
Rasco (NB)	[0.0235 , 0.06195]	2
Rasco (SMO)	[0.0128 , 0.03995]	2
Co-Bagging (NN)	[0.0002 , 0.0238]	2
Co-Bagging (C45)	[-0.0012 , 0.01085]	2
Co-Bagging (NB)	[0.0169 , 0.04985]	2
Co-Bagging (SMO)	[-0.0085 , 0.01705]	2
Rel-Rasco (NN)	[0.03495 , 0.06305]	2
Rel-Rasco (C45)	[0.00355 , 0.01245]	2
Rel-Rasco (NB)	[0.0246 , 0.06315]	2
Rel-Rasco (SMO)	[0.014 , 0.0444]	2
CLCC	[0.04165 , 0.09555]	2
APSSC	[0.02235 , 0.05835]	2
SNNRCE	[0.00655 , 0.03205]	2
ADE-CoForest	[-0.0004 , 0.0314]	2

Table 5: Confidence intervals for algorithm Self-Training (C45) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[0.0013 , 0.03645]	2
Self-Training (NB)	[0.02545 , 0.06945]	2
Self-Training (SMO)	[-0.00955 , 0.02665]	2
Co-Training (NN)	[0.00485 , 0.03795]	2
Co-Training (C45)	[-0.00375 , 0.0025]	2
Co-Training (NB)	[0.01005 , 0.05295]	2
Co-Training (SMO)	[-0.0147 , 0.0165]	2
Democratic-Co	[-0.0159 , 0.0048]	2
SETRED	[-0.0034 , 0.0307]	2
TriTraining (NN)	[0.0071 , 0.04945]	2
TriTraining (C45)	[-0.00725 , -0.00025]	2
TriTraining (NB)	[0.0136 , 0.05335]	2
TriTraining (SMO)	[-0.0109 , 0.02285]	2
DE-TriTraining (NN)	[-0.00135 , 0.0308]	2
DE-TriTraining (C45)	[0.00355 , 0.0209]	2
DE-TriTraining (NB)	[0.0139 , 0.05275]	2
DE-TriTraining (SMO)	[-0.0016 , 0.02925]	2
CoForest	[-0.0169 , 0.0091]	2
Rasco (NN)	[0.02725 , 0.06385]	2
Rasco (C45)	[0.00065 , 0.01375]	2
Rasco (NB)	[0.0199 , 0.0658]	2
Rasco (SMO)	[0.00985 , 0.04205]	2
Co-Bagging (NN)	[-0.00205 , 0.02665]	2
Co-Bagging (C45)	[-0.00265 , 0.01275]	2
Co-Bagging (NB)	[0.0135 , 0.05295]	2
Co-Bagging (SMO)	[-0.0116 , 0.01975]	2
Rel-Rasco (NN)	[0.03225 , 0.06555]	2
Rel-Rasco (C45)	[0.0027 , 0.0141]	2
Rel-Rasco (NB)	[0.02165 , 0.06725]	2
Rel-Rasco (SMO)	[0.0115 , 0.04795]	2
CLCC	[0.03805 , 0.10065]	2
APSSC	[0.0186 , 0.06385]	2
SNNRCE	[0.0041 , 0.0352]	2
ADE-CoForest	[-0.0024 , 0.03615]	2

Table 6: Confidence intervals for algorithm Self-Training (C45) (α=0.95)

3 Detailed results for Self-Training (NB)

3.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	558.0	982.0	-	1
Self-Training (C45)	302.5	1237.5	-	1
Self-Training (SMO)	475.5	1064.5	-	1
Co-Training (NN)	583.0	957.0	-	1
Co-Training (C45)	302.5	1237.5	-	1
Co-Training (NB)	234.5	1305.5	-	1
Co-Training (SMO)	421.0	1119.0	-	1
Democratic-Co	107.5	1432.5	-	1
SETRED	506.5	1033.5	-	1
TriTraining (NN)	656.5	883.5	-	1
TriTraining (C45)	268.5	1271.5	-	1
TriTraining (NB)	189.0	1296.0	-	1
TriTraining (SMO)	425.0	1060.0	-	1
DE-TriTraining (NN)	487.5	997.5	-	1
DE-TriTraining (C45)	390.5	1149.5	-	1
DE-TriTraining (NB)	327.0	1158.0	-	1
DE-TriTraining (SMO)	517.0	1023.0	-	1
CoForest	442.0	1098.0	-	1
Rasco (NN)	774.0	766.0	-	0.969893
Rasco (C45)	444.0	1096.0	-	1
Rasco (NB)	532.5	1007.5	-	1
Rasco (SMO)	617.0	923.0	-	1
Co-Bagging (NN)	445.0	1095.0	-	1
Co-Bagging (C45)	344.0	1141.0	-	1
Co-Bagging (NB)	242.5	1297.5	-	1
Co-Bagging (SMO)	430.0	1110.0	-	1
Rel-Rasco (NN)	801.0	739.0	-	0.791625
Rel-Rasco (C45)	429.0	1111.0	-	1
Rel-Rasco (NB)	575.5	909.5	-	1
Rel-Rasco (SMO)	652.0	888.0	-	1
CLCC	995.0	545.0	-	0.058843
APSSC	671.0	869.0	-	1
SNNRCE	552.5	987.5	-	1
ADE-CoForest	501.0	984.0	-	1

Table 7: Results obtained by the Wilcoxon test for algorithm Self-Training (NB)

3.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0531 , -0.0014]	2
Self-Training (C45)	[-0.06575 , -0.0282]	2
Self-Training (SMO)	[-0.06315 , -0.01345]	2
Co-Training (NN)	[-0.04885 , 0.00115]	2
Co-Training (C45)	[-0.06615 , -0.0295]	2
Co-Training (NB)	[-0.02005 , -0.00945]	2
Co-Training (SMO)	[-0.06505 , -0.0177]	2
Democratic-Co	[-0.06645 , -0.03875]	2
SETRED	[-0.0554 , -0.0072]	2
TriTraining (NN)	[-0.0425 , 0.0105]	2
TriTraining (C45)	[-0.0704 , -0.03275]	2
TriTraining (NB)	[-0.01975 , -0.0101]	2
TriTraining (SMO)	[-0.05935 , -0.0141]	2
DE-TriTraining (NN)	[-0.04515 , -0.0054]	2
DE-TriTraining (C45)	[-0.0536 , -0.0182]	2
DE-TriTraining (NB)	[-0.02035 , -0.00865]	2
DE-TriTraining (SMO)	[-0.0513 , -0.00675]	2
CoForest	[-0.0658 , -0.02015]	2
Rasco (NN)	[-0.0282 , 0.0263]	2
Rasco (C45)	[-0.0587 , -0.01915]	2
Rasco (NB)	[-0.014 , -0.001]	2
Rasco (SMO)	[-0.04415 , 0.00615]	2
Co-Bagging (NN)	[-0.05645 , -0.0127]	2
Co-Bagging (C45)	[-0.0577 , -0.0231]	2
Co-Bagging (NB)	[-0.01925 , -0.009]	2
Co-Bagging (SMO)	[-0.06655 , -0.01785]	2
Rel-Rasco (NN)	[-0.0229 , 0.0289]	2
Rel-Rasco (C45)	[-0.05485 , -0.01715]	2
Rel-Rasco (NB)	[-0.0123 , 0.0005]	2
Rel-Rasco (SMO)	[-0.03865 , 0.00885]	2
CLCC	[0.0024 , 0.03025]	2
APSSC	[-0.02995 , 0.01285]	2
SNNRCE	[-0.0476 , -0.002]	2
ADE-CoForest	[-0.04365 , -0.0051]	2

Table 8: Confidence intervals for algorithm Self-Training (NB) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.05955 , 0.00285]	2
Self-Training (C45)	[-0.06945 , -0.02545]	2
Self-Training (SMO)	[-0.06915 , -0.00885]	2
Co-Training (NN)	[-0.0558 , 0.0059]	2
Co-Training (C45)	[-0.0704 , -0.0257]	2
Co-Training (NB)	[-0.0214 , -0.0084]	2
Co-Training (SMO)	[-0.0706 , -0.0147]	2
Democratic-Co	[-0.07085 , -0.03605]	2
SETRED	[-0.06215 , -0.0026]	2
TriTraining (NN)	[-0.05035 , 0.0138]	2
TriTraining (C45)	[-0.07595 , -0.02955]	2
TriTraining (NB)	[-0.0206 , -0.0094]	2
TriTraining (SMO)	[-0.0658 , -0.0089]	2
DE-TriTraining (NN)	[-0.0501 , -0.00235]	2
DE-TriTraining (C45)	[-0.05815 , -0.01425]	2
DE-TriTraining (NB)	[-0.022 , -0.00705]	2
DE-TriTraining (SMO)	[-0.05655 , -0.00225]	2
CoForest	[-0.071 , -0.0152]	2
Rasco (NN)	[-0.0329 , 0.0309]	2
Rasco (C45)	[-0.06325 , -0.01495]	2
Rasco (NB)	[-0.0156 , 0]	2
Rasco (SMO)	[-0.0499 , 0.01025]	2
Co-Bagging (NN)	[-0.0616 , -0.00955]	2
Co-Bagging (C45)	[-0.06225 , -0.01995]	2
Co-Bagging (NB)	[-0.02005 , -0.008]	2
Co-Bagging (SMO)	[-0.0723 , -0.01255]	2
Rel-Rasco (NN)	[-0.029 , 0.0348]	2
Rel-Rasco (C45)	[-0.0595 , -0.0137]	2
Rel-Rasco (NB)	[-0.0142 , 0.002]	2
Rel-Rasco (SMO)	[-0.04405 , 0.01315]	2
CLCC	[-0.00065 , 0.03465]	2
APSSC	[-0.0337 , 0.01715]	2
SNNRCE	[-0.05385 , 0.00175]	2
ADE-CoForest	[-0.0468 , -0.0019]	2

Table 9: Confidence intervals for algorithm Self-Training (NB) (α=0.95)

4 Detailed results for Self-Training (SMO)

4.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	947.0	593.0	-	0.136553
Self-Training (C45)	663.5	876.5	-	1
Self-Training (NB)	1064.5	475.5	-	0.013448
Co-Training (NN)	974.0	511.0	-	0.045763
Co-Training (C45)	675.5	864.5	-	1
Co-Training (NB)	965.0	575.0	-	0.10142
Co-Training (SMO)	447.0	1093.0	-	1
Democratic-Co	624.0	861.0	-	1
SETRED	883.0	657.0	-	0.341116
TriTraining (NN)	1043.0	497.0	-	0.021933
TriTraining (C45)	607.0	933.0	-	1
TriTraining (NB)	983.0	557.0	-	0.073644
TriTraining (SMO)	849.0	636.0	-	0.356379
DE-TriTraining (NN)	992.5	547.5	-	0.061432
DE-TriTraining (C45)	856.0	684.0	-	0.468143
DE-TriTraining (NB)	998.0	542.0	-	0.055557
DE-TriTraining (SMO)	865.0	675.0	-	0.423623
CoForest	817.5	722.5	-	0.687248
Rasco (NN)	1225.0	315.0	-	0.000135
Rasco (C45)	784.0	756.0	-	0.903304
Rasco (NB)	1025.0	515.0	-	0.032297
Rasco (SMO)	1127.0	413.0	-	0.002685
Co-Bagging (NN)	876.5	663.5	-	0.369482
Co-Bagging (C45)	746.5	793.5	-	1
Co-Bagging (NB)	1000.0	540.0	-	0.053451
Co-Bagging (SMO)	572.5	967.5	-	1
Rel-Rasco (NN)	1257.0	283.0	-	0.000044
Rel-Rasco (C45)	821.0	719.0	-	0.666108
Rel-Rasco (NB)	1055.0	485.0	-	0.016753
Rel-Rasco (SMO)	1107.5	377.5	-	0.001611
CLCC	1217.0	323.0	-	0.000177
APSSC	1084.0	456.0	-	0.008344
SNNRCE	987.0	553.0	-	0.067826
ADE-CoForest	1074.0	466.0	-	0.010651

Table 10: Results obtained by the Wilcoxon test for algorithm Self-Training (SMO)

4.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0007 , 0.02165]	2
Self-Training (C45)	[-0.0232 , 0.00705]	2
Self-Training (NB)	[0.01345 , 0.06315]	2
Co-Training (NN)	[0.00345 , 0.0309]	2
Co-Training (C45)	[-0.0233 , 0.0084]	2
Co-Training (NB)	[0.00005 , 0.0493]	2
Co-Training (SMO)	[-0.0101 , -0.00185]	2
Democratic-Co	[-0.0247 , 0.0047]	2
SETRED	[-0.00485 , 0.01805]	2
TriTraining (NN)	[0.0062 , 0.0327]	2
TriTraining (C45)	[-0.02705 , 0.0028]	2
TriTraining (NB)	[0.0024 , 0.0502]	2
TriTraining (SMO)	[-0.0012 , 0.00325]	2
DE-TriTraining (NN)	[0.0019 , 0.02625]	2
DE-TriTraining (C45)	[-0.0092 , 0.0229]	2
DE-TriTraining (NB)	[0.0033 , 0.056]	2
DE-TriTraining (SMO)	[-0.0054 , 0.0104]	2
CoForest	[-0.01075 , 0.01805]	2
Rasco (NN)	[0.023 , 0.05535]	2
Rasco (C45)	[-0.0162 , 0.0214]	2
Rasco (NB)	[0.0082 , 0.06105]	2
Rasco (SMO)	[0.00615 , 0.0256]	2
Co-Bagging (NN)	[-0.0054 , 0.0158]	2
Co-Bagging (C45)	[-0.0155 , 0.01245]	2
Co-Bagging (NB)	[0.0041 , 0.05055]	2
Co-Bagging (SMO)	[-0.0097 , -0.00005]	2
Rel-Rasco (NN)	[0.0241 , 0.0563]	2
Rel-Rasco (C45)	[-0.01405 , 0.023]	2
Rel-Rasco (NB)	[0.01295 , 0.0639]	2
Rel-Rasco (SMO)	[0.00775 , 0.028]	2
CLCC	[0.03845 , 0.1016]	2
APSSC	[0.012 , 0.0554]	2
SNNRCE	[0.0014 , 0.026]	2
ADE-CoForest	[0.00895 , 0.0404]	2

Table 11: Confidence intervals for algorithm Self-Training (SMO) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.00345 , 0.024]	2
Self-Training (C45)	[-0.02665 , 0.00955]	2
Self-Training (NB)	[0.00885 , 0.06915]	2
Co-Training (NN)	[0.00065 , 0.0335]	2
Co-Training (C45)	[-0.0264 , 0.0121]	2
Co-Training (NB)	[-0.00545 , 0.0546]	2
Co-Training (SMO)	[-0.01095 , -0.00125]	2
Democratic-Co	[-0.02995 , 0.0073]	2
SETRED	[-0.00795 , 0.02055]	2
TriTraining (NN)	[0.00355 , 0.03605]	2
TriTraining (C45)	[-0.0302 , 0.00565]	2
TriTraining (NB)	[-0.0021 , 0.0571]	2
TriTraining (SMO)	[-0.0018 , 0.00395]	2
DE-TriTraining (NN)	[-0.0007 , 0.0294]	2
DE-TriTraining (C45)	[-0.01275 , 0.02615]	2
DE-TriTraining (NB)	[-0.0007 , 0.0594]	2
DE-TriTraining (SMO)	[-0.00785 , 0.0119]	2
CoForest	[-0.0148 , 0.02305]	2
Rasco (NN)	[0.0197 , 0.05865]	2
Rasco (C45)	[-0.01965 , 0.02595]	2
Rasco (NB)	[0.00375 , 0.0669]	2
Rasco (SMO)	[0.00445 , 0.02815]	2
Co-Bagging (NN)	[-0.0071 , 0.0184]	2
Co-Bagging (C45)	[-0.0185 , 0.01595]	2
Co-Bagging (NB)	[-0.00015 , 0.0557]	2
Co-Bagging (SMO)	[-0.011 , 0.00045]	2
Rel-Rasco (NN)	[0.02115 , 0.06095]	2
Rel-Rasco (C45)	[-0.01765 , 0.0267]	2
Rel-Rasco (NB)	[0.007 , 0.07155]	2
Rel-Rasco (SMO)	[0.006 , 0.0297]	2
CLCC	[0.0332 , 0.10995]	2
APSSC	[0.00615 , 0.0602]	2
SNNRCE	[-0.0014 , 0.02885]	2
ADE-CoForest	[0.0063 , 0.04415]	2

Table 12: Confidence intervals for algorithm Self-Training (SMO) (α=0.95)

5 Detailed results for Co-Training (NN)

5.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	631.5	853.5	-	1
Self-Training (C45)	467.0	1018.0	-	1
Self-Training (NB)	957.0	583.0	-	0.116188
Self-Training (SMO)	511.0	974.0	-	1
Co-Training (C45)	477.0	1063.0	-	1
Co-Training (NB)	862.0	678.0	-	0.43833
Co-Training (SMO)	415.0	1125.0	-	1
Democratic-Co	391.0	1094.0	-	1
SETRED	541.5	998.5	-	1
TriTraining (NN)	998.0	487.0	-	0.027509
TriTraining (C45)	432.0	1108.0	-	1
TriTraining (NB)	874.0	666.0	-	0.380771
TriTraining (SMO)	527.0	1013.0	-	1
DE-TriTraining (NN)	748.0	737.0	-	0.958576
DE-TriTraining (C45)	593.5	946.5	-	1
DE-TriTraining (NB)	840.0	700.0	-	0.55473
DE-TriTraining (SMO)	524.0	1016.0	-	1
CoForest	521.5	963.5	-	1
Rasco (NN)	1193.0	292.0	-	0.000101
Rasco (C45)	644.5	895.5	-	1
Rasco (NB)	898.0	587.0	-	0.179209
Rasco (SMO)	816.0	724.0	-	0.696528
Co-Bagging (NN)	492.5	992.5	-	1
Co-Bagging (C45)	555.5	984.5	-	1
Co-Bagging (NB)	868.0	672.0	-	0.409209
Co-Bagging (SMO)	403.5	1136.5	-	1
Rel-Rasco (NN)	1249.0	236.0	-	0.000013
Rel-Rasco (C45)	624.0	861.0	-	1
Rel-Rasco (NB)	936.0	604.0	-	0.163007
Rel-Rasco (SMO)	863.0	677.0	-	0.431948
CLCC	1110.5	429.5	-	0.004195
APSSC	987.5	552.5	-	0.067484
SNNRCE	800.5	739.5	-	0.794437
ADE-CoForest	693.0	847.0	-	1

Table 13: Results obtained by the Wilcoxon test for algorithm Co-Training (NN)

5.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0052 , 0.0012]	2
Self-Training (C45)	[-0.0339 , -0.00805]	2
Self-Training (NB)	[-0.00115 , 0.04885]	2
Self-Training (SMO)	[-0.0309 , -0.00345]	2
Co-Training (C45)	[-0.03185 , -0.00775]	2
Co-Training (NB)	[-0.0144 , 0.0345]	2
Co-Training (SMO)	[-0.0381 , -0.01185]	2
Democratic-Co	[-0.0413 , -0.01295]	2
SETRED	[-0.0062 , -0.0002]	2
TriTraining (NN)	[0.0025 , 0.01635]	2
TriTraining (C45)	[-0.03965 , -0.01185]	2
TriTraining (NB)	[-0.01165 , 0.0389]	2
TriTraining (SMO)	[-0.0311 , -0.0038]	2
DE-TriTraining (NN)	[-0.00955 , 0.01025]	2
DE-TriTraining (C45)	[-0.02395 , 0.00265]	2
DE-TriTraining (NB)	[-0.01605 , 0.0364]	2
DE-TriTraining (SMO)	[-0.0232 , -0.0026]	2
CoForest	[-0.0295 , -0.00285]	2
Rasco (NN)	[0.00945 , 0.0287]	2
Rasco (C45)	[-0.02465 , 0.00595]	2
Rasco (NB)	[-0.00535 , 0.0462]	2
Rasco (SMO)	[-0.01335 , 0.02015]	2
Co-Bagging (NN)	[-0.01515 , -0.0022]	2
Co-Bagging (C45)	[-0.0324 , -0.0019]	2
Co-Bagging (NB)	[-0.011 , 0.03785]	2
Co-Bagging (SMO)	[-0.03715 , -0.01215]	2
Rel-Rasco (NN)	[0.0113 , 0.03015]	2
Rel-Rasco (C45)	[-0.02485 , 0.0076]	2
Rel-Rasco (NB)	[-0.0033 , 0.04855]	2
Rel-Rasco (SMO)	[-0.01 , 0.02395]	2
CLCC	[0.0188 , 0.0813]	2
APSSC	[0.0021 , 0.04035]	2
SNNRCE	[-0.0055 , 0.0087]	2
ADE-CoForest	[-0.019 , 0.012]	2

Table 14: Confidence intervals for algorithm Co-Training (NN) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0062 , 0.0016]	2
Self-Training (C45)	[-0.03795 , -0.00485]	2
Self-Training (NB)	[-0.0059 , 0.0558]	2
Self-Training (SMO)	[-0.0335 , -0.00065]	2
Co-Training (C45)	[-0.0348 , -0.005]	2
Co-Training (NB)	[-0.0203 , 0.0423]	2
Co-Training (SMO)	[-0.04035 , -0.00955]	2
Democratic-Co	[-0.04465 , -0.0099]	2
SETRED	[-0.0072 , 0]	2
TriTraining (NN)	[0.00125 , 0.0178]	2
TriTraining (C45)	[-0.0426 , -0.0087]	2
TriTraining (NB)	[-0.01635 , 0.04515]	2
TriTraining (SMO)	[-0.0342 , -0.0007]	2
DE-TriTraining (NN)	[-0.0112 , 0.01235]	2
DE-TriTraining (C45)	[-0.02655 , 0.00525]	2
DE-TriTraining (NB)	[-0.0202 , 0.04135]	2
DE-TriTraining (SMO)	[-0.02545 , -0.0007]	2
CoForest	[-0.0316 , 0]	2
Rasco (NN)	[0.0081 , 0.03075]	2
Rasco (C45)	[-0.0285 , 0.01]	2
Rasco (NB)	[-0.0112 , 0.053]	2
Rasco (SMO)	[-0.0176 , 0.02365]	2
Co-Bagging (NN)	[-0.01685 , -0.001]	2
Co-Bagging (C45)	[-0.03525 , 0.0019]	2
Co-Bagging (NB)	[-0.01625 , 0.0436]	2
Co-Bagging (SMO)	[-0.0402 , -0.0096]	2
Rel-Rasco (NN)	[0.01015 , 0.0318]	2
Rel-Rasco (C45)	[-0.0279 , 0.012]	2
Rel-Rasco (NB)	[-0.0086 , 0.0553]	2
Rel-Rasco (SMO)	[-0.0129 , 0.0271]	2
CLCC	[0.0141 , 0.08955]	2
APSSC	[-0.0008 , 0.0437]	2
SNNRCE	[-0.007 , 0.0102]	2
ADE-CoForest	[-0.0205 , 0.01935]	2

Table 15: Confidence intervals for algorithm Co-Training (NN) (α=0.95)

6 Detailed results for Co-Training (C45)

6.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	1018.0	522.0	-	0.037336
Self-Training (C45)	834.5	705.5	-	0.585239
Self-Training (NB)	1237.5	302.5	-	0.000084
Self-Training (SMO)	864.5	675.5	-	0.425569
Co-Training (NN)	1063.0	477.0	-	0.013928
Co-Training (NB)	1107.5	432.5	-	0.004584
Co-Training (SMO)	764.0	776.0	-	1
Democratic-Co	624.5	860.5	-	1
SETRED	966.0	574.0	-	0.09933
TriTraining (NN)	1040.0	445.0	-	0.010292
TriTraining (C45)	558.0	927.0	-	1
TriTraining (NB)	1131.0	409.0	-	0.002455
TriTraining (SMO)	838.5	701.5	-	0.562774
DE-TriTraining (NN)	950.5	534.5	-	0.072309
DE-TriTraining (C45)	1070.5	469.5	-	0.011583
DE-TriTraining (NB)	1119.0	366.0	-	0.00117
DE-TriTraining (SMO)	918.5	566.5	-	0.128174
CoForest	623.5	861.5	-	1
Rasco (NN)	1282.0	258.0	-	0.000017
Rasco (C45)	1110.5	429.5	-	0.004156
Rasco (NB)	1176.0	364.0	-	0.00066
Rasco (SMO)	1110.0	430.0	-	0.004332
Co-Bagging (NN)	941.0	599.0	-	0.15074
Co-Bagging (C45)	810.0	675.0	-	0.557791
Co-Bagging (NB)	1155.0	385.0	-	0.001224
Co-Bagging (SMO)	827.5	712.5	-	0.626637
Rel-Rasco (NN)	1281.0	204.0	-	0.000003
Rel-Rasco (C45)	1197.0	288.0	-	0.000079
Rel-Rasco (NB)	1189.0	351.0	-	0.00044
Rel-Rasco (SMO)	1127.5	412.5	-	0.002649
CLCC	1345.0	195.0	-	0.000001
APSSC	1163.0	377.0	-	0.000977
SNNRCE	1047.0	493.0	-	0.01981
ADE-CoForest	955.0	585.0	-	0.120132

Table 16: Results obtained by the Wilcoxon test for algorithm Co-Training (C45)

6.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[0.00405 , 0.03265]	2
Self-Training (C45)	[-0.00155 , 0.00315]	2
Self-Training (NB)	[0.0295 , 0.06615]	2
Self-Training (SMO)	[-0.0084 , 0.0233]	2
Co-Training (NN)	[0.00775 , 0.03185]	2
Co-Training (NB)	[0.0146 , 0.04975]	2
Co-Training (SMO)	[-0.01415 , 0.0132]	2
Democratic-Co	[-0.0139 , 0.00335]	2
SETRED	[0.0001 , 0.027]	2
TriTraining (NN)	[0.01035 , 0.04415]	2
TriTraining (C45)	[-0.00705 , 0.00005]	2
TriTraining (NB)	[0.0173 , 0.0511]	2
TriTraining (SMO)	[-0.0103 , 0.01975]	2
DE-TriTraining (NN)	[0.00105 , 0.027]	2
DE-TriTraining (C45)	[0.0031 , 0.01625]	2
DE-TriTraining (NB)	[0.0162 , 0.0499]	2
DE-TriTraining (SMO)	[-0.00095 , 0.02375]	2
CoForest	[-0.017 , 0.00575]	2
Rasco (NN)	[0.02905 , 0.0608]	2
Rasco (C45)	[0.002 , 0.01125]	2
Rasco (NB)	[0.0224 , 0.0627]	2
Rasco (SMO)	[0.0098 , 0.03905]	2
Co-Bagging (NN)	[-0.00105 , 0.0239]	2
Co-Bagging (C45)	[-0.00365 , 0.00905]	2
Co-Bagging (NB)	[0.01735 , 0.0503]	2
Co-Bagging (SMO)	[-0.01075 , 0.0175]	2
Rel-Rasco (NN)	[0.03285 , 0.0623]	2
Rel-Rasco (C45)	[0.00515 , 0.01525]	2
Rel-Rasco (NB)	[0.02395 , 0.06465]	2
Rel-Rasco (SMO)	[0.01255 , 0.04395]	2
CLCC	[0.0402 , 0.09705]	2
APSSC	[0.02245 , 0.0595]	2
SNNRCE	[0.0056 , 0.02985]	2
ADE-CoForest	[-0.0009 , 0.03205]	2

Table 17: Confidence intervals for algorithm Co-Training (C45) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[0.001 , 0.0352]	2
Self-Training (C45)	[-0.0025 , 0.00375]	2
Self-Training (NB)	[0.0257 , 0.0704]	2
Self-Training (SMO)	[-0.0121 , 0.0264]	2
Co-Training (NN)	[0.005 , 0.0348]	2
Co-Training (NB)	[0.01155 , 0.054]	2
Co-Training (SMO)	[-0.0174 , 0.0161]	2
Democratic-Co	[-0.01555 , 0.0045]	2
SETRED	[-0.0027 , 0.0297]	2
TriTraining (NN)	[0.00675 , 0.04815]	2
TriTraining (C45)	[-0.0084 , 0.0005]	2
TriTraining (NB)	[0.01345 , 0.05495]	2
TriTraining (SMO)	[-0.0132 , 0.02245]	2
DE-TriTraining (NN)	[-0.00145 , 0.03045]	2
DE-TriTraining (C45)	[0.00195 , 0.0177]	2
DE-TriTraining (NB)	[0.0134 , 0.05335]	2
DE-TriTraining (SMO)	[-0.0035 , 0.0272]	2
CoForest	[-0.01855 , 0.00875]	2
Rasco (NN)	[0.02565 , 0.06485]	2
Rasco (C45)	[0.0015 , 0.01355]	2
Rasco (NB)	[0.0188 , 0.06645]	2
Rasco (SMO)	[0.00725 , 0.0416]	2
Co-Bagging (NN)	[-0.003 , 0.02585]	2
Co-Bagging (C45)	[-0.00485 , 0.0108]	2
Co-Bagging (NB)	[0.0146 , 0.05335]	2
Co-Bagging (SMO)	[-0.01345 , 0.02085]	2
Rel-Rasco (NN)	[0.03085 , 0.06525]	2
Rel-Rasco (C45)	[0.00415 , 0.01685]	2
Rel-Rasco (NB)	[0.0204 , 0.06845]	2
Rel-Rasco (SMO)	[0.0092 , 0.04725]	2
CLCC	[0.0371 , 0.10575]	2
APSSC	[0.01735 , 0.06495]	2
SNNRCE	[0.00305 , 0.03265]	2
ADE-CoForest	[-0.0031 , 0.0379]	2

Table 18: Confidence intervals for algorithm Co-Training (C45) (α=0.95)

7 Detailed results for Co-Training (NB)

7.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	661.0	879.0	-	1
Self-Training (C45)	441.0	1099.0	-	1
Self-Training (NB)	1305.5	234.5	-	0.000007
Self-Training (SMO)	575.0	965.0	-	1
Co-Training (NN)	678.0	862.0	-	1
Co-Training (C45)	432.5	1107.5	-	1
Co-Training (SMO)	521.5	1018.5	-	1
Democratic-Co	203.0	1282.0	-	1
SETRED	619.0	921.0	-	1
TriTraining (NN)	732.5	752.5	-	1
TriTraining (C45)	381.0	1104.0	-	1
TriTraining (NB)	590.5	894.5	-	1
TriTraining (SMO)	552.0	933.0	-	1
DE-TriTraining (NN)	683.5	856.5	-	1
DE-TriTraining (C45)	552.0	988.0	-	1
DE-TriTraining (NB)	779.0	706.0	-	0.749786
DE-TriTraining (SMO)	624.0	916.0	-	1
CoForest	560.0	980.0	-	1
Rasco (NN)	887.0	653.0	-	0.32488
Rasco (C45)	542.0	943.0	-	1
Rasco (NB)	964.0	576.0	-	0.102819
Rasco (SMO)	731.0	809.0	-	1
Co-Bagging (NN)	586.0	954.0	-	1
Co-Bagging (C45)	533.0	1007.0	-	1
Co-Bagging (NB)	756.5	728.5	-	0.900109
Co-Bagging (SMO)	525.5	1014.5	-	1
Rel-Rasco (NN)	906.5	633.5	-	0.250529
Rel-Rasco (C45)	574.5	965.5	-	1
Rel-Rasco (NB)	1050.0	490.0	-	0.018028
Rel-Rasco (SMO)	792.0	748.0	-	0.850471
CLCC	1180.5	359.5	-	0.000559
APSSC	786.0	699.0	-	0.7048
SNNRCE	678.0	862.0	-	1
ADE-CoForest	704.0	836.0	-	1

Table 19: Results obtained by the Wilcoxon test for algorithm Co-Training (NB)

7.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.03765 , 0.0109]	2
Self-Training (C45)	[-0.0498 , -0.01375]	2
Self-Training (NB)	[0.00945 , 0.02005]	2
Self-Training (SMO)	[-0.0493 , -0.00005]	2
Co-Training (NN)	[-0.0345 , 0.0144]	2
Co-Training (C45)	[-0.04975 , -0.0146]	2
Co-Training (SMO)	[-0.05305 , -0.0052]	2
Democratic-Co	[-0.0504 , -0.0226]	2
SETRED	[-0.04205 , 0.0061]	2
TriTraining (NN)	[-0.0297 , 0.0216]	2
TriTraining (C45)	[-0.05555 , -0.0182]	2
TriTraining (NB)	[-0.0027 , 0.00035]	2
TriTraining (SMO)	[-0.0459 , 0]	2
DE-TriTraining (NN)	[-0.03055 , 0.01005]	2
DE-TriTraining (C45)	[-0.0366 , -0.00225]	2
DE-TriTraining (NB)	[-0.00465 , 0.0067]	2
DE-TriTraining (SMO)	[-0.038 , 0.0074]	2
CoForest	[-0.0486 , -0.00145]	2
Rasco (NN)	[-0.0095 , 0.04155]	2
Rasco (C45)	[-0.0414 , -0.00145]	2
Rasco (NB)	[0 , 0.01675]	2
Rasco (SMO)	[-0.02955 , 0.0195]	2
Co-Bagging (NN)	[-0.0371 , 0.00125]	2
Co-Bagging (C45)	[-0.0416 , -0.0043]	2
Co-Bagging (NB)	[-0.0021 , 0.00245]	2
Co-Bagging (SMO)	[-0.0539 , -0.00525]	2
Rel-Rasco (NN)	[-0.0079 , 0.0453]	2
Rel-Rasco (C45)	[-0.03775 , -0.00015]	2
Rel-Rasco (NB)	[0.0013 , 0.01785]	2
Rel-Rasco (SMO)	[-0.0232 , 0.0237]	2
CLCC	[0.01865 , 0.04595]	2
APSSC	[-0.01465 , 0.02565]	2
SNNRCE	[-0.03355 , 0.013]	2
ADE-CoForest	[-0.0288 , 0.01295]	2

Table 20: Confidence intervals for algorithm Co-Training (NB) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.04535 , 0.0166]	2
Self-Training (C45)	[-0.05295 , -0.01005]	2
Self-Training (NB)	[0.0084 , 0.0214]	2
Self-Training (SMO)	[-0.0546 , 0.00545]	2
Co-Training (NN)	[-0.0423 , 0.0203]	2
Co-Training (C45)	[-0.054 , -0.01155]	2
Co-Training (SMO)	[-0.0591 , -0.0015]	2
Democratic-Co	[-0.05265 , -0.0202]	2
SETRED	[-0.04725 , 0.0113]	2
TriTraining (NN)	[-0.03615 , 0.02695]	2
TriTraining (C45)	[-0.05865 , -0.01555]	2
TriTraining (NB)	[-0.00305 , 0.00085]	2
TriTraining (SMO)	[-0.0525 , 0.00345]	2
DE-TriTraining (NN)	[-0.03545 , 0.013]	2
DE-TriTraining (C45)	[-0.04 , 0.00135]	2
DE-TriTraining (NB)	[-0.006 , 0.00865]	2
DE-TriTraining (SMO)	[-0.04245 , 0.01175]	2
CoForest	[-0.0535 , 0.00345]	2
Rasco (NN)	[-0.0161 , 0.0473]	2
Rasco (C45)	[-0.04565 , 0.00305]	2
Rasco (NB)	[-0.0008 , 0.0182]	2
Rasco (SMO)	[-0.035 , 0.0249]	2
Co-Bagging (NN)	[-0.04205 , 0.0046]	2
Co-Bagging (C45)	[-0.04605 , -0.00065]	2
Co-Bagging (NB)	[-0.00265 , 0.0032]	2
Co-Bagging (SMO)	[-0.05975 , -0.0013]	2
Rel-Rasco (NN)	[-0.01325 , 0.0515]	2
Rel-Rasco (C45)	[-0.04135 , 0.0038]	2
Rel-Rasco (NB)	[0.0008 , 0.0189]	2
Rel-Rasco (SMO)	[-0.02885 , 0.02865]	2
CLCC	[0.0157 , 0.04965]	2
APSSC	[-0.018 , 0.03095]	2
SNNRCE	[-0.039 , 0.0168]	2
ADE-CoForest	[-0.03235 , 0.0171]	2

Table 21: Confidence intervals for algorithm Co-Training (NB) (α=0.95)

8 Detailed results for Co-Training (SMO)

8.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	1055.0	430.0	-	0.006978
Self-Training (C45)	755.5	784.5	-	1
Self-Training (NB)	1119.0	421.0	-	0.003408
Self-Training (SMO)	1093.0	447.0	-	0.006605
Co-Training (NN)	1125.0	415.0	-	0.002896
Co-Training (C45)	776.0	764.0	-	0.956568
Co-Training (NB)	1018.5	521.5	-	0.036758
Democratic-Co	658.0	827.0	-	1
SETRED	1031.0	454.0	-	0.012834
TriTraining (NN)	1187.5	352.5	-	0.000455
TriTraining (C45)	681.0	859.0	-	1
TriTraining (NB)	1035.0	505.0	-	0.026115
TriTraining (SMO)	1062.5	422.5	-	0.005427
DE-TriTraining (NN)	994.0	491.0	-	0.030024
DE-TriTraining (C45)	934.0	551.0	-	0.098298
DE-TriTraining (NB)	1060.5	479.5	-	0.014246
DE-TriTraining (SMO)	1087.0	453.0	-	0.007554
CoForest	851.5	688.5	-	0.491149
Rasco (NN)	1308.0	232.0	-	0.000006
Rasco (C45)	873.0	667.0	-	0.385346
Rasco (NB)	1064.0	421.0	-	0.005563
Rasco (SMO)	1241.5	243.5	-	0.000017
Co-Bagging (NN)	969.0	516.0	-	0.050392
Co-Bagging (C45)	827.0	658.0	-	0.464249
Co-Bagging (NB)	1047.0	493.0	-	0.020069
Co-Bagging (SMO)	866.5	673.5	-	0.415401
Rel-Rasco (NN)	1338.0	202.0	-	0.000002
Rel-Rasco (C45)	891.5	648.5	-	0.306188
Rel-Rasco (NB)	1120.0	420.0	-	0.003317
Rel-Rasco (SMO)	1253.0	232.0	-	0.00001
CLCC	1252.0	288.0	-	0.000053
APSSC	1128.5	356.5	-	0.000864
SNNRCE	1103.0	437.0	-	0.005202
ADE-CoForest	1066.0	474.0	-	0.012983

Table 22: Results obtained by the Wilcoxon test for algorithm Co-Training (SMO)

8.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[0.00795 , 0.0301]	2
Self-Training (C45)	[-0.01385 , 0.012]	2
Self-Training (NB)	[0.0177 , 0.06505]	2
Self-Training (SMO)	[0.00185 , 0.0101]	2
Co-Training (NN)	[0.01185 , 0.0381]	2
Co-Training (C45)	[-0.0132 , 0.01415]	2
Co-Training (NB)	[0.0052 , 0.05305]	2
Democratic-Co	[-0.01815 , 0.00715]	2
SETRED	[0.006 , 0.02475]	2
TriTraining (NN)	[0.01375 , 0.0406]	2
TriTraining (C45)	[-0.01835 , 0.00655]	2
TriTraining (NB)	[0.0066 , 0.05405]	2
TriTraining (SMO)	[0.0014 , 0.0072]	2
DE-TriTraining (NN)	[0.0061 , 0.0363]	2
DE-TriTraining (C45)	[0.00005 , 0.0284]	2
DE-TriTraining (NB)	[0.00985 , 0.05725]	2
DE-TriTraining (SMO)	[0.0053 , 0.0188]	2
CoForest	[-0.00975 , 0.0217]	2
Rasco (NN)	[0.03035 , 0.0609]	2
Rasco (C45)	[-0.00725 , 0.0287]	2
Rasco (NB)	[0.01415 , 0.0631]	2
Rasco (SMO)	[0.0123 , 0.03375]	2
Co-Bagging (NN)	[0.00245 , 0.02265]	2
Co-Bagging (C45)	[-0.0074 , 0.022]	2
Co-Bagging (NB)	[0.00775 , 0.0526]	2
Co-Bagging (SMO)	[-0.0015 , 0.00465]	2
Rel-Rasco (NN)	[0.03335 , 0.0646]	2
Rel-Rasco (C45)	[-0.005 , 0.03135]	2
Rel-Rasco (NB)	[0.01845 , 0.06615]	2
Rel-Rasco (SMO)	[0.0143 , 0.03515]	2
CLCC	[0.0431 , 0.10785]	2
APSSC	[0.0213 , 0.0687]	2
SNNRCE	[0.01 , 0.0353]	2
ADE-CoForest	[0.00965 , 0.04445]	2

Table 23: Confidence intervals for algorithm Co-Training (SMO) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[0.00635 , 0.0322]	2
Self-Training (C45)	[-0.0165 , 0.0147]	2
Self-Training (NB)	[0.0147 , 0.0706]	2
Self-Training (SMO)	[0.00125 , 0.01095]	2
Co-Training (NN)	[0.00955 , 0.04035]	2
Co-Training (C45)	[-0.0161 , 0.0174]	2
Co-Training (NB)	[0.0015 , 0.0591]	2
Democratic-Co	[-0.0208 , 0.0092]	2
SETRED	[0.00425 , 0.0269]	2
TriTraining (NN)	[0.01205 , 0.0448]	2
TriTraining (C45)	[-0.02055 , 0.00885]	2
TriTraining (NB)	[0.0033 , 0.0591]	2
TriTraining (SMO)	[0.001 , 0.00825]	2
DE-TriTraining (NN)	[0.0026 , 0.0391]	2
DE-TriTraining (C45)	[-0.00425 , 0.03095]	2
DE-TriTraining (NB)	[0.0061 , 0.06235]	2
DE-TriTraining (SMO)	[0.0039 , 0.021]	2
CoForest	[-0.0131 , 0.0255]	2
Rasco (NN)	[0.0271 , 0.06485]	2
Rasco (C45)	[-0.0094 , 0.033]	2
Rasco (NB)	[0.0091 , 0.06765]	2
Rasco (SMO)	[0.01055 , 0.0363]	2
Co-Bagging (NN)	[0.00015 , 0.0254]	2
Co-Bagging (C45)	[-0.01015 , 0.025]	2
Co-Bagging (NB)	[0.0049 , 0.0586]	2
Co-Bagging (SMO)	[-0.0024 , 0.0053]	2
Rel-Rasco (NN)	[0.03085 , 0.0682]	2
Rel-Rasco (C45)	[-0.0079 , 0.03465]	2
Rel-Rasco (NB)	[0.0142 , 0.0719]	2
Rel-Rasco (SMO)	[0.01225 , 0.0391]	2
CLCC	[0.0377 , 0.11415]	2
APSSC	[0.01615 , 0.07215]	2
SNNRCE	[0.0077 , 0.03725]	2
ADE-CoForest	[0.0071 , 0.0489]	2

Table 24: Confidence intervals for algorithm Co-Training (SMO) (α=0.95)

9 Detailed results for Democratic-Co

9.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	1082.0	403.0	-	0.003417
Self-Training (C45)	890.5	649.5	-	0.309154
Self-Training (NB)	1432.5	107.5	-	0
Self-Training (SMO)	861.0	624.0	-	0.305544
Co-Training (NN)	1094.0	391.0	-	0.002413
Co-Training (C45)	860.5	624.5	-	0.306539
Co-Training (NB)	1282.0	203.0	-	0.000003
Co-Training (SMO)	827.0	658.0	-	0.463768
SETRED	1029.0	456.0	-	0.013469
TriTraining (NN)	1180.5	359.5	-	0.000566
TriTraining (C45)	763.0	722.0	-	0.856513
TriTraining (NB)	1314.0	171.0	-	0.000001
TriTraining (SMO)	899.5	585.5	-	0.1746
DE-TriTraining (NN)	1163.0	377.0	-	0.000954
DE-TriTraining (C45)	1212.0	328.0	-	0.000206
DE-TriTraining (NB)	1348.5	136.5	-	0
DE-TriTraining (SMO)	1039.0	446.0	-	0.010468
CoForest	842.5	697.5	-	0.540356
Rasco (NN)	1342.5	197.5	-	0.000002
Rasco (C45)	1020.5	519.5	-	0.034698
Rasco (NB)	1362.0	178.0	-	0.000001
Rasco (SMO)	1156.5	383.5	-	0.001171
Co-Bagging (NN)	1052.0	433.0	-	0.007539
Co-Bagging (C45)	964.0	521.0	-	0.055944
Co-Bagging (NB)	1335.0	150.0	-	0
Co-Bagging (SMO)	857.0	683.0	-	0.462545
Rel-Rasco (NN)	1369.5	170.5	-	0
Rel-Rasco (C45)	1095.5	444.5	-	0.006198
Rel-Rasco (NB)	1385.0	155.0	-	0
Rel-Rasco (SMO)	1197.0	343.0	-	0.000336
CLCC	1420.0	120.0	-	0
APSSC	1274.0	266.0	-	0.000023
SNNRCE	1158.5	326.5	-	0.000331
ADE-CoForest	1076.5	408.5	-	0.003936

Table 25: Results obtained by the Wilcoxon test for algorithm Democratic-Co

9.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[0.01155 , 0.0372]	2
Self-Training (C45)	[-0.00315 , 0.01425]	2
Self-Training (NB)	[0.03875 , 0.06645]	2
Self-Training (SMO)	[-0.0047 , 0.0247]	2
Co-Training (NN)	[0.01295 , 0.0413]	2
Co-Training (C45)	[-0.00335 , 0.0139]	2
Co-Training (NB)	[0.0226 , 0.0504]	2
Co-Training (SMO)	[-0.00715 , 0.01815]	2
SETRED	[0.007 , 0.0332]	2
TriTraining (NN)	[0.0182 , 0.0486]	2
TriTraining (C45)	[-0.00655 , 0.00965]	2
TriTraining (NB)	[0.02455 , 0.0496]	2
TriTraining (SMO)	[-0.0028 , 0.02515]	2
DE-TriTraining (NN)	[0.011 , 0.0316]	2
DE-TriTraining (C45)	[0.0104 , 0.0276]	2
DE-TriTraining (NB)	[0.02735 , 0.05495]	2
DE-TriTraining (SMO)	[0.00625 , 0.0299]	2
CoForest	[-0.0081 , 0.01955]	2
Rasco (NN)	[0.03505 , 0.0687]	2
Rasco (C45)	[0.0024 , 0.0224]	2
Rasco (NB)	[0.0357 , 0.0638]	2
Rasco (SMO)	[0.01505 , 0.0452]	2
Co-Bagging (NN)	[0.00575 , 0.02675]	2
Co-Bagging (C45)	[0.0017 , 0.0265]	2
Co-Bagging (NB)	[0.02695 , 0.0514]	2
Co-Bagging (SMO)	[-0.0067 , 0.01975]	2
Rel-Rasco (NN)	[0.0355 , 0.07075]	2
Rel-Rasco (C45)	[0.0049 , 0.0226]	2
Rel-Rasco (NB)	[0.03615 , 0.067]	2
Rel-Rasco (SMO)	[0.0183 , 0.0502]	2
CLCC	[0.04905 , 0.10575]	2
APSSC	[0.03015 , 0.06255]	2
SNNRCE	[0.01525 , 0.03435]	2
ADE-CoForest	[0.0097 , 0.0392]	2

Table 26: Confidence intervals for algorithm Democratic-Co (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[0.0087 , 0.04045]	2
Self-Training (C45)	[-0.0048 , 0.0159]	2
Self-Training (NB)	[0.03605 , 0.07085]	2
Self-Training (SMO)	[-0.0073 , 0.02995]	2
Co-Training (NN)	[0.0099 , 0.04465]	2
Co-Training (C45)	[-0.0045 , 0.01555]	2
Co-Training (NB)	[0.0202 , 0.05265]	2
Co-Training (SMO)	[-0.0092 , 0.0208]	2
SETRED	[0.00465 , 0.03545]	2
TriTraining (NN)	[0.0156 , 0.05145]	2
TriTraining (C45)	[-0.008 , 0.011]	2
TriTraining (NB)	[0.02155 , 0.05285]	2
TriTraining (SMO)	[-0.00505 , 0.0286]	2
DE-TriTraining (NN)	[0.0086 , 0.03435]	2
DE-TriTraining (C45)	[0.0092 , 0.0295]	2
DE-TriTraining (NB)	[0.025 , 0.0575]	2
DE-TriTraining (SMO)	[0.00405 , 0.03235]	2
CoForest	[-0.0102 , 0.0221]	2
Rasco (NN)	[0.0312 , 0.072]	2
Rasco (C45)	[0.0009 , 0.0253]	2
Rasco (NB)	[0.03325 , 0.06815]	2
Rasco (SMO)	[0.01145 , 0.04885]	2
Co-Bagging (NN)	[0.00385 , 0.02855]	2
Co-Bagging (C45)	[-0.001 , 0.0293]	2
Co-Bagging (NB)	[0.02505 , 0.054]	2
Co-Bagging (SMO)	[-0.00855 , 0.02245]	2
Rel-Rasco (NN)	[0.0326 , 0.07595]	2
Rel-Rasco (C45)	[0.0034 , 0.02485]	2
Rel-Rasco (NB)	[0.03365 , 0.0704]	2
Rel-Rasco (SMO)	[0.0156 , 0.0538]	2
CLCC	[0.0453 , 0.1153]	2
APSSC	[0.0268 , 0.06645]	2
SNNRCE	[0.01295 , 0.03675]	2
ADE-CoForest	[0.0068 , 0.04315]	2

Table 27: Confidence intervals for algorithm Democratic-Co (α=0.95)

10 Detailed results for SETRED

10.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	950.0	535.0	-	0.072379
Self-Training (C45)	578.0	962.0	-	1
Self-Training (NB)	1033.5	506.5	-	0.026811
Self-Training (SMO)	657.0	883.0	-	1
Co-Training (NN)	998.5	541.5	-	0.052752
Co-Training (C45)	574.0	966.0	-	1
Co-Training (NB)	921.0	619.0	-	0.204316
Co-Training (SMO)	454.0	1031.0	-	1
Democratic-Co	456.0	1029.0	-	1
TriTraining (NN)	1213.0	327.0	-	0.000199
TriTraining (C45)	475.0	1010.0	-	1
TriTraining (NB)	915.0	570.0	-	0.136338
TriTraining (SMO)	646.5	893.5	-	1
DE-TriTraining (NN)	962.0	578.0	-	0.106773
DE-TriTraining (C45)	678.0	807.0	-	1
DE-TriTraining (NB)	880.0	605.0	-	0.234751
DE-TriTraining (SMO)	651.5	888.5	-	1
CoForest	634.0	906.0	-	1
Rasco (NN)	1385.0	100.0	-	0
Rasco (C45)	698.5	841.5	-	1
Rasco (NB)	960.0	525.0	-	0.060514
Rasco (SMO)	906.5	633.5	-	0.251026
Co-Bagging (NN)	636.0	849.0	-	1
Co-Bagging (C45)	652.0	888.0	-	1
Co-Bagging (NB)	926.0	614.0	-	0.189312
Co-Bagging (SMO)	476.5	1008.5	-	1
Rel-Rasco (NN)	1436.5	48.5	-	0
Rel-Rasco (C45)	717.0	823.0	-	1
Rel-Rasco (NB)	964.0	521.0	-	0.055681
Rel-Rasco (SMO)	926.5	613.5	-	0.187902
CLCC	1218.0	322.0	-	0.000169
APSSC	1078.0	462.0	-	0.009744
SNNRCE	1035.5	504.5	-	0.025524
ADE-CoForest	823.0	717.0	-	0.653632

Table 28: Results obtained by the Wilcoxon test for algorithm SETRED

10.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[0 , 0.0033]	2
Self-Training (C45)	[-0.02825 , 0.00075]	2
Self-Training (NB)	[0.0072 , 0.0554]	2
Self-Training (SMO)	[-0.01805 , 0.00485]	2
Co-Training (NN)	[0.0002 , 0.0062]	2
Co-Training (C45)	[-0.027 , -0.0001]	2
Co-Training (NB)	[-0.0061 , 0.04205]	2
Co-Training (SMO)	[-0.02475 , -0.006]	2
Democratic-Co	[-0.0332 , -0.007]	2
TriTraining (NN)	[0.00665 , 0.0182]	2
TriTraining (C45)	[-0.02965 , -0.00545]	2
TriTraining (NB)	[-0.0022 , 0.04515]	2
TriTraining (SMO)	[-0.0188 , 0.0039]	2
DE-TriTraining (NN)	[-0.0002 , 0.01545]	2
DE-TriTraining (C45)	[-0.01835 , 0.0093]	2
DE-TriTraining (NB)	[-0.0066 , 0.04365]	2
DE-TriTraining (SMO)	[-0.01415 , 0.00305]	2
CoForest	[-0.023 , 0.0046]	2
Rasco (NN)	[0.01445 , 0.0298]	2
Rasco (C45)	[-0.0215 , 0.0101]	2
Rasco (NB)	[0.00355 , 0.0546]	2
Rasco (SMO)	[-0.0054 , 0.0286]	2
Co-Bagging (NN)	[-0.0073 , 0.00215]	2
Co-Bagging (C45)	[-0.0251 , 0.00625]	2
Co-Bagging (NB)	[-0.0042 , 0.04415]	2
Co-Bagging (SMO)	[-0.02455 , -0.0047]	2
Rel-Rasco (NN)	[0.01665 , 0.03115]	2
Rel-Rasco (C45)	[-0.01995 , 0.0133]	2
Rel-Rasco (NB)	[0.0035 , 0.0598]	2
Rel-Rasco (SMO)	[-0.00345 , 0.03205]	2
CLCC	[0.0292 , 0.08815]	2
APSSC	[0.00865 , 0.0467]	2
SNNRCE	[0.00155 , 0.01105]	2
ADE-CoForest	[-0.00955 , 0.0212]	2

Table 29: Confidence intervals for algorithm SETRED (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[0 , 0.0035]	2
Self-Training (C45)	[-0.0307 , 0.0034]	2
Self-Training (NB)	[0.0026 , 0.06215]	2
Self-Training (SMO)	[-0.02055 , 0.00795]	2
Co-Training (NN)	[0 , 0.0072]	2
Co-Training (C45)	[-0.0297 , 0.0027]	2
Co-Training (NB)	[-0.0113 , 0.04725]	2
Co-Training (SMO)	[-0.0269 , -0.00425]	2
Democratic-Co	[-0.03545 , -0.00465]	2
TriTraining (NN)	[0.00575 , 0.01995]	2
TriTraining (C45)	[-0.0322 , -0.0031]	2
TriTraining (NB)	[-0.00715 , 0.0503]	2
TriTraining (SMO)	[-0.0211 , 0.0065]	2
DE-TriTraining (NN)	[-0.002 , 0.0173]	2
DE-TriTraining (C45)	[-0.0205 , 0.0127]	2
DE-TriTraining (NB)	[-0.0106 , 0.0491]	2
DE-TriTraining (SMO)	[-0.0155 , 0.005]	2
CoForest	[-0.02515 , 0.0079]	2
Rasco (NN)	[0.0134 , 0.0321]	2
Rasco (C45)	[-0.02445 , 0.01555]	2
Rasco (NB)	[-0.0016 , 0.06345]	2
Rasco (SMO)	[-0.00805 , 0.0335]	2
Co-Bagging (NN)	[-0.00805 , 0.0035]	2
Co-Bagging (C45)	[-0.02785 , 0.0094]	2
Co-Bagging (NB)	[-0.00755 , 0.04795]	2
Co-Bagging (SMO)	[-0.0274 , -0.00275]	2
Rel-Rasco (NN)	[0.0152 , 0.03325]	2
Rel-Rasco (C45)	[-0.02275 , 0.0176]	2
Rel-Rasco (NB)	[-0.00145 , 0.06555]	2
Rel-Rasco (SMO)	[-0.00605 , 0.037]	2
CLCC	[0.02395 , 0.0943]	2
APSSC	[0.00595 , 0.0498]	2
SNNRCE	[0.0007 , 0.01205]	2
ADE-CoForest	[-0.0122 , 0.0259]	2

Table 30: Confidence intervals for algorithm SETRED (α=0.95)

11 Detailed results for TriTraining (NN)

11.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	454.0	1031.0	-	1
Self-Training (C45)	458.0	1027.0	-	1
Self-Training (NB)	883.5	656.5	-	0.338993
Self-Training (SMO)	497.0	1043.0	-	1
Co-Training (NN)	487.0	998.0	-	1
Co-Training (C45)	445.0	1040.0	-	1
Co-Training (NB)	752.5	732.5	-	0.927886
Co-Training (SMO)	352.5	1187.5	-	1
Democratic-Co	359.5	1180.5	-	1
SETRED	327.0	1213.0	-	1
TriTraining (C45)	393.0	1147.0	-	1
TriTraining (NB)	783.0	702.0	-	0.724074
TriTraining (SMO)	452.0	1088.0	-	1
DE-TriTraining (NN)	550.0	990.0	-	1
DE-TriTraining (C45)	525.0	960.0	-	1
DE-TriTraining (NB)	755.0	730.0	-	0.910877
DE-TriTraining (SMO)	452.0	1033.0	-	1
CoForest	553.5	986.5	-	1
Rasco (NN)	896.5	588.5	-	0.182483
Rasco (C45)	575.0	965.0	-	1
Rasco (NB)	835.0	650.0	-	0.422777
Rasco (SMO)	750.0	790.0	-	1
Co-Bagging (NN)	365.5	1174.5	-	1
Co-Bagging (C45)	545.0	995.0	-	1
Co-Bagging (NB)	799.0	741.0	-	0.804779
Co-Bagging (SMO)	333.0	1152.0	-	1
Rel-Rasco (NN)	936.5	548.5	-	0.093642
Rel-Rasco (C45)	610.0	930.0	-	1
Rel-Rasco (NB)	868.0	672.0	-	0.409209
Rel-Rasco (SMO)	761.5	778.5	-	1
CLCC	1071.0	469.0	-	0.011533
APSSC	896.0	644.0	-	0.288691
SNNRCE	540.0	1000.0	-	1
ADE-CoForest	699.5	840.5	-	1

Table 31: Results obtained by the Wilcoxon test for algorithm TriTraining (NN)

11.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.01425 , -0.00275]	2
Self-Training (C45)	[-0.0457 , -0.01085]	2
Self-Training (NB)	[-0.0105 , 0.0425]	2
Self-Training (SMO)	[-0.0327 , -0.0062]	2
Co-Training (NN)	[-0.01635 , -0.0025]	2
Co-Training (C45)	[-0.04415 , -0.01035]	2
Co-Training (NB)	[-0.0216 , 0.0297]	2
Co-Training (SMO)	[-0.0406 , -0.01375]	2
Democratic-Co	[-0.0486 , -0.0182]	2
SETRED	[-0.0182 , -0.00665]	2
TriTraining (C45)	[-0.04655 , -0.01585]	2
TriTraining (NB)	[-0.017 , 0.03295]	2
TriTraining (SMO)	[-0.0331 , -0.0068]	2
DE-TriTraining (NN)	[-0.01765 , -0.0009]	2
DE-TriTraining (C45)	[-0.0307 , -0.0029]	2
DE-TriTraining (NB)	[-0.0209 , 0.0313]	2
DE-TriTraining (SMO)	[-0.02875 , -0.0057]	2
CoForest	[-0.03385 , -0.0026]	2
Rasco (NN)	[-0.00225 , 0.02225]	2
Rasco (C45)	[-0.03845 , -0.0001]	2
Rasco (NB)	[-0.0138 , 0.04375]	2
Rasco (SMO)	[-0.02215 , 0.0158]	2
Co-Bagging (NN)	[-0.0249 , -0.01065]	2
Co-Bagging (C45)	[-0.03985 , -0.00395]	2
Co-Bagging (NB)	[-0.018 , 0.0312]	2
Co-Bagging (SMO)	[-0.0412 , -0.0152]	2
Rel-Rasco (NN)	[0.00025 , 0.0254]	2
Rel-Rasco (C45)	[-0.03655 , 0.0034]	2
Rel-Rasco (NB)	[-0.0131 , 0.0476]	2
Rel-Rasco (SMO)	[-0.0195 , 0.01885]	2
CLCC	[0.0135 , 0.06865]	2
APSSC	[-0.007 , 0.0314]	2
SNNRCE	[-0.0163 , -0.00125]	2
ADE-CoForest	[-0.02295 , 0.01355]	2

Table 32: Confidence intervals for algorithm TriTraining (NN) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.01575 , -0.0015]	2
Self-Training (C45)	[-0.04945 , -0.0071]	2
Self-Training (NB)	[-0.0138 , 0.05035]	2
Self-Training (SMO)	[-0.03605 , -0.00355]	2
Co-Training (NN)	[-0.0178 , -0.00125]	2
Co-Training (C45)	[-0.04815 , -0.00675]	2
Co-Training (NB)	[-0.02695 , 0.03615]	2
Co-Training (SMO)	[-0.0448 , -0.01205]	2
Democratic-Co	[-0.05145 , -0.0156]	2
SETRED	[-0.01995 , -0.00575]	2
TriTraining (C45)	[-0.0501 , -0.0125]	2
TriTraining (NB)	[-0.022 , 0.0394]	2
TriTraining (SMO)	[-0.03735 , -0.00455]	2
DE-TriTraining (NN)	[-0.0193 , 0.0004]	2
DE-TriTraining (C45)	[-0.03375 , 0.0005]	2
DE-TriTraining (NB)	[-0.02605 , 0.03845]	2
DE-TriTraining (SMO)	[-0.03155 , -0.0037]	2
CoForest	[-0.03615 , 0.0015]	2
Rasco (NN)	[-0.0038 , 0.02505]	2
Rasco (C45)	[-0.04205 , 0.00445]	2
Rasco (NB)	[-0.0191 , 0.0507]	2
Rasco (SMO)	[-0.02645 , 0.02055]	2
Co-Bagging (NN)	[-0.02615 , -0.00915]	2
Co-Bagging (C45)	[-0.04345 , 0.0004]	2
Co-Bagging (NB)	[-0.02295 , 0.03675]	2
Co-Bagging (SMO)	[-0.04445 , -0.01295]	2
Rel-Rasco (NN)	[-0.002 , 0.028]	2
Rel-Rasco (C45)	[-0.04025 , 0.00845]	2
Rel-Rasco (NB)	[-0.01805 , 0.05375]	2
Rel-Rasco (SMO)	[-0.0234 , 0.02445]	2
CLCC	[0.00895 , 0.07675]	2
APSSC	[-0.01005 , 0.0345]	2
SNNRCE	[-0.01795 , 0.0001]	2
ADE-CoForest	[-0.02545 , 0.0183]	2

Table 33: Confidence intervals for algorithm TriTraining (NN) (α=0.95)

12 Detailed results for TriTraining (C45)

12.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	1109.0	431.0	-	0.004448
Self-Training (C45)	1025.5	514.5	-	0.030188
Self-Training (NB)	1271.5	268.5	-	0.000026
Self-Training (SMO)	933.0	607.0	-	0.17072
Co-Training (NN)	1108.0	432.0	-	0.004566
Co-Training (C45)	927.0	558.0	-	0.108881
Co-Training (NB)	1104.0	381.0	-	0.001828
Co-Training (SMO)	859.0	681.0	-	0.452379
Democratic-Co	722.0	763.0	-	1
SETRED	1010.0	475.0	-	0.020887
TriTraining (NN)	1147.0	393.0	-	0.001562
TriTraining (NB)	1168.0	372.0	-	0.000841
TriTraining (SMO)	918.0	622.0	-	0.213421
DE-TriTraining (NN)	998.0	487.0	-	0.027509
DE-TriTraining (C45)	1168.0	317.0	-	0.000245
DE-TriTraining (NB)	1213.0	327.0	-	0.000196
DE-TriTraining (SMO)	1022.0	518.0	-	0.03438
CoForest	706.0	779.0	-	1
Rasco (NN)	1355.0	185.0	-	0.000001
Rasco (C45)	1238.0	247.0	-	0.000019
Rasco (NB)	1214.5	325.5	-	0.00019
Rasco (SMO)	1170.0	370.0	-	0.000792
Co-Bagging (NN)	1053.0	487.0	-	0.017416
Co-Bagging (C45)	1025.0	460.0	-	0.014715
Co-Bagging (NB)	1198.5	341.5	-	0.00032
Co-Bagging (SMO)	873.0	667.0	-	0.385346
Rel-Rasco (NN)	1374.0	166.0	-	0
Rel-Rasco (C45)	1303.0	237.0	-	0.000007
Rel-Rasco (NB)	1241.5	298.5	-	0.000075
Rel-Rasco (SMO)	1175.5	364.5	-	0.000661
CLCC	1355.0	185.0	-	0.000001
APSSC	1195.0	345.0	-	0.000364
SNNRCE	1130.0	410.0	-	0.002524
ADE-CoForest	1008.0	477.0	-	0.022003

Table 34: Results obtained by the Wilcoxon test for algorithm TriTraining (C45)

12.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[0.011 , 0.0344]	2
Self-Training (C45)	[0.00075 , 0.00605]	2
Self-Training (NB)	[0.03275 , 0.0704]	2
Self-Training (SMO)	[-0.0028 , 0.02705]	2
Co-Training (NN)	[0.01185 , 0.03965]	2
Co-Training (C45)	[-0.00005 , 0.00705]	2
Co-Training (NB)	[0.0182 , 0.05555]	2
Co-Training (SMO)	[-0.00655 , 0.01835]	2
Democratic-Co	[-0.00965 , 0.00655]	2
SETRED	[0.00545 , 0.02965]	2
TriTraining (NN)	[0.01585 , 0.04655]	2
TriTraining (NB)	[0.0202 , 0.0558]	2
TriTraining (SMO)	[-0.004 , 0.02425]	2
DE-TriTraining (NN)	[0.00445 , 0.03265]	2
DE-TriTraining (C45)	[0.00925 , 0.0261]	2
DE-TriTraining (NB)	[0.0215 , 0.05515]	2
DE-TriTraining (SMO)	[0.00455 , 0.03145]	2
CoForest	[-0.01 , 0.0085]	2
Rasco (NN)	[0.0347 , 0.06385]	2
Rasco (C45)	[0.0055 , 0.01545]	2
Rasco (NB)	[0.02825 , 0.068]	2
Rasco (SMO)	[0.0159 , 0.0441]	2
Co-Bagging (NN)	[0.0055 , 0.02585]	2
Co-Bagging (C45)	[0.00245 , 0.01665]	2
Co-Bagging (NB)	[0.0203 , 0.0549]	2
Co-Bagging (SMO)	[-0.0059 , 0.02065]	2
Rel-Rasco (NN)	[0.04025 , 0.06675]	2
Rel-Rasco (C45)	[0.0082 , 0.0222]	2
Rel-Rasco (NB)	[0.02865 , 0.0691]	2
Rel-Rasco (SMO)	[0.0185 , 0.04885]	2
CLCC	[0.0487 , 0.1025]	2
APSSC	[0.0254 , 0.06505]	2
SNNRCE	[0.01055 , 0.0338]	2
ADE-CoForest	[0.006 , 0.0379]	2

Table 35: Confidence intervals for algorithm TriTraining (C45) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[0.008 , 0.03705]	2
Self-Training (C45)	[0.00025 , 0.00725]	2
Self-Training (NB)	[0.02955 , 0.07595]	2
Self-Training (SMO)	[-0.00565 , 0.0302]	2
Co-Training (NN)	[0.0087 , 0.0426]	2
Co-Training (C45)	[-0.0005 , 0.0084]	2
Co-Training (NB)	[0.01555 , 0.05865]	2
Co-Training (SMO)	[-0.00885 , 0.02055]	2
Democratic-Co	[-0.011 , 0.008]	2
SETRED	[0.0031 , 0.0322]	2
TriTraining (NN)	[0.0125 , 0.0501]	2
TriTraining (NB)	[0.01755 , 0.0602]	2
TriTraining (SMO)	[-0.00725 , 0.02715]	2
DE-TriTraining (NN)	[0.00165 , 0.0369]	2
DE-TriTraining (C45)	[0.00775 , 0.0279]	2
DE-TriTraining (NB)	[0.019 , 0.05955]	2
DE-TriTraining (SMO)	[0.00155 , 0.03385]	2
CoForest	[-0.0117 , 0.01125]	2
Rasco (NN)	[0.0318 , 0.06745]	2
Rasco (C45)	[0.00485 , 0.01765]	2
Rasco (NB)	[0.0242 , 0.0726]	2
Rasco (SMO)	[0.0131 , 0.04725]	2
Co-Bagging (NN)	[0.0034 , 0.02795]	2
Co-Bagging (C45)	[0.00145 , 0.019]	2
Co-Bagging (NB)	[0.01745 , 0.05855]	2
Co-Bagging (SMO)	[-0.0081 , 0.0235]	2
Rel-Rasco (NN)	[0.03735 , 0.0703]	2
Rel-Rasco (C45)	[0.00665 , 0.0242]	2
Rel-Rasco (NB)	[0.02585 , 0.07345]	2
Rel-Rasco (SMO)	[0.0155 , 0.05275]	2
CLCC	[0.04335 , 0.10975]	2
APSSC	[0.02145 , 0.06995]	2
SNNRCE	[0.0086 , 0.0357]	2
ADE-CoForest	[0.00265 , 0.0421]	2

Table 36: Confidence intervals for algorithm TriTraining (C45) (α=0.95)

13 Detailed results for TriTraining (NB)

13.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	636.0	904.0	-	1
Self-Training (C45)	394.0	1091.0	-	1
Self-Training (NB)	1296.0	189.0	-	0.000002
Self-Training (SMO)	557.0	983.0	-	1
Co-Training (NN)	666.0	874.0	-	1
Co-Training (C45)	409.0	1131.0	-	1
Co-Training (NB)	894.5	590.5	-	0.186781
Co-Training (SMO)	505.0	1035.0	-	1
Democratic-Co	171.0	1314.0	-	1
SETRED	570.0	915.0	-	1
TriTraining (NN)	702.0	783.0	-	1
TriTraining (C45)	372.0	1168.0	-	1
TriTraining (SMO)	550.0	990.0	-	1
DE-TriTraining (NN)	635.0	850.0	-	1
DE-TriTraining (C45)	547.5	992.5	-	1
DE-TriTraining (NB)	790.0	695.0	-	0.677427
DE-TriTraining (SMO)	626.0	914.0	-	1
CoForest	513.0	1027.0	-	1
Rasco (NN)	877.0	663.0	-	0.367751
Rasco (C45)	529.5	1010.5	-	1
Rasco (NB)	956.5	528.5	-	0.064475
Rasco (SMO)	714.0	826.0	-	1
Co-Bagging (NN)	554.0	986.0	-	1
Co-Bagging (C45)	505.0	1035.0	-	1
Co-Bagging (NB)	925.0	560.0	-	0.112759
Co-Bagging (SMO)	494.0	991.0	-	1
Rel-Rasco (NN)	896.0	644.0	-	0.289196
Rel-Rasco (C45)	568.0	972.0	-	1
Rel-Rasco (NB)	1002.5	482.5	-	0.024281
Rel-Rasco (SMO)	775.0	765.0	-	0.963245
CLCC	1137.5	402.5	-	0.002025
APSSC	790.0	750.0	-	0.863484
SNNRCE	649.0	891.0	-	1
ADE-CoForest	677.0	863.0	-	1

Table 37: Results obtained by the Wilcoxon test for algorithm TriTraining (NB)

13.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.04125 , 0.0088]	2
Self-Training (C45)	[-0.04955 , -0.0166]	2
Self-Training (NB)	[0.0101 , 0.01975]	2
Self-Training (SMO)	[-0.0502 , -0.0024]	2
Co-Training (NN)	[-0.0389 , 0.01165]	2
Co-Training (C45)	[-0.0511 , -0.0173]	2
Co-Training (NB)	[-0.00035 , 0.0027]	2
Co-Training (SMO)	[-0.05405 , -0.0066]	2
Democratic-Co	[-0.0496 , -0.02455]	2
SETRED	[-0.04515 , 0.0022]	2
TriTraining (NN)	[-0.03295 , 0.017]	2
TriTraining (C45)	[-0.0558 , -0.0202]	2
TriTraining (SMO)	[-0.0503 , -0.00315]	2
DE-TriTraining (NN)	[-0.03395 , 0.00815]	2
DE-TriTraining (C45)	[-0.03835 , -0.0027]	2
DE-TriTraining (NB)	[-0.0039 , 0.00535]	2
DE-TriTraining (SMO)	[-0.04055 , 0.0055]	2
CoForest	[-0.05085 , -0.00825]	2
Rasco (NN)	[-0.01285 , 0.0388]	2
Rasco (C45)	[-0.04175 , -0.00665]	2
Rasco (NB)	[0.00045 , 0.0116]	2
Rasco (SMO)	[-0.02975 , 0.01775]	2
Co-Bagging (NN)	[-0.04055 , -0.00265]	2
Co-Bagging (C45)	[-0.043 , -0.00805]	2
Co-Bagging (NB)	[0 , 0.0039]	2
Co-Bagging (SMO)	[-0.05695 , -0.00725]	2
Rel-Rasco (NN)	[-0.0091 , 0.0422]	2
Rel-Rasco (C45)	[-0.03945 , -0.001]	2
Rel-Rasco (NB)	[0.00115 , 0.01445]	2
Rel-Rasco (SMO)	[-0.0244 , 0.0226]	2
CLCC	[0.016 , 0.04335]	2
APSSC	[-0.0168 , 0.02435]	2
SNNRCE	[-0.03665 , 0.00955]	2
ADE-CoForest	[-0.0313 , 0.0126]	2

Table 38: Confidence intervals for algorithm TriTraining (NB) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.04745 , 0.01295]	2
Self-Training (C45)	[-0.05335 , -0.0136]	2
Self-Training (NB)	[0.0094 , 0.0206]	2
Self-Training (SMO)	[-0.0571 , 0.0021]	2
Co-Training (NN)	[-0.04515 , 0.01635]	2
Co-Training (C45)	[-0.05495 , -0.01345]	2
Co-Training (NB)	[-0.00085 , 0.00305]	2
Co-Training (SMO)	[-0.0591 , -0.0033]	2
Democratic-Co	[-0.05285 , -0.02155]	2
SETRED	[-0.0503 , 0.00715]	2
TriTraining (NN)	[-0.0394 , 0.022]	2
TriTraining (C45)	[-0.0602 , -0.01755]	2
TriTraining (SMO)	[-0.0537 , 0.00135]	2
DE-TriTraining (NN)	[-0.03845 , 0.01175]	2
DE-TriTraining (C45)	[-0.04175 , 0.0009]	2
DE-TriTraining (NB)	[-0.0056 , 0.0067]	2
DE-TriTraining (SMO)	[-0.04375 , 0.00985]	2
CoForest	[-0.05535 , -0.00335]	2
Rasco (NN)	[-0.01715 , 0.04445]	2
Rasco (C45)	[-0.045 , -0.002]	2
Rasco (NB)	[-0.0003 , 0.0129]	2
Rasco (SMO)	[-0.03495 , 0.023]	2
Co-Bagging (NN)	[-0.04595 , 0.0015]	2
Co-Bagging (C45)	[-0.0467 , -0.0037]	2
Co-Bagging (NB)	[-0.0007 , 0.0045]	2
Co-Bagging (SMO)	[-0.06065 , -0.0044]	2
Rel-Rasco (NN)	[-0.01535 , 0.04795]	2
Rel-Rasco (C45)	[-0.04275 , 0.0025]	2
Rel-Rasco (NB)	[0.00035 , 0.01625]	2
Rel-Rasco (SMO)	[-0.0297 , 0.027]	2
CLCC	[0.01245 , 0.0466]	2
APSSC	[-0.02095 , 0.03065]	2
SNNRCE	[-0.04175 , 0.01455]	2
ADE-CoForest	[-0.03465 , 0.0155]	2

Table 39: Confidence intervals for algorithm TriTraining (NB) (α=0.95)

14 Detailed results for TriTraining (SMO)

14.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	973.0	567.0	-	0.088188
Self-Training (C45)	668.5	871.5	-	1
Self-Training (NB)	1060.0	425.0	-	0.00618
Self-Training (SMO)	636.0	849.0	-	1
Co-Training (NN)	1013.0	527.0	-	0.041333
Co-Training (C45)	701.5	838.5	-	1
Co-Training (NB)	933.0	552.0	-	0.099697
Co-Training (SMO)	422.5	1062.5	-	1
Democratic-Co	585.5	899.5	-	1
SETRED	893.5	646.5	-	0.298326
TriTraining (NN)	1088.0	452.0	-	0.007554
TriTraining (C45)	622.0	918.0	-	1
TriTraining (NB)	990.0	550.0	-	0.06412
DE-TriTraining (NN)	955.0	585.0	-	0.120132
DE-TriTraining (C45)	877.0	663.0	-	0.367751
DE-TriTraining (NB)	1019.0	521.0	-	0.036578
DE-TriTraining (SMO)	890.0	595.0	-	0.201581
CoForest	774.0	766.0	-	0.969924
Rasco (NN)	1214.0	271.0	-	0.000048
Rasco (C45)	802.0	738.0	-	0.78517
Rasco (NB)	1051.0	489.0	-	0.018346
Rasco (SMO)	1113.0	372.0	-	0.001401
Co-Bagging (NN)	900.0	640.0	-	0.273715
Co-Bagging (C45)	730.0	755.0	-	1
Co-Bagging (NB)	978.0	507.0	-	0.042152
Co-Bagging (SMO)	551.5	933.5	-	1
Rel-Rasco (NN)	1273.0	267.0	-	0.000025
Rel-Rasco (C45)	825.5	714.5	-	0.638928
Rel-Rasco (NB)	1072.0	468.0	-	0.01126
Rel-Rasco (SMO)	1088.0	397.0	-	0.002831
CLCC	1183.0	302.0	-	0.000144
APSSC	1107.0	433.0	-	0.004644
SNNRCE	985.5	554.5	-	0.070038
ADE-CoForest	1021.5	518.5	-	0.034738

Table 40: Results obtained by the Wilcoxon test for algorithm TriTraining (SMO)

14.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[0.00045 , 0.0232]	2
Self-Training (C45)	[-0.02025 , 0.0074]	2
Self-Training (NB)	[0.0141 , 0.05935]	2
Self-Training (SMO)	[-0.00325 , 0.0012]	2
Co-Training (NN)	[0.0038 , 0.0311]	2
Co-Training (C45)	[-0.01975 , 0.0103]	2
Co-Training (NB)	[0 , 0.0459]	2
Co-Training (SMO)	[-0.0072 , -0.0014]	2
Democratic-Co	[-0.02515 , 0.0028]	2
SETRED	[-0.0039 , 0.0188]	2
TriTraining (NN)	[0.0068 , 0.0331]	2
TriTraining (C45)	[-0.02425 , 0.004]	2
TriTraining (NB)	[0.00315 , 0.0503]	2
DE-TriTraining (NN)	[-0.00105 , 0.0234]	2
DE-TriTraining (C45)	[-0.00785 , 0.02295]	2
DE-TriTraining (NB)	[0.0053 , 0.0505]	2
DE-TriTraining (SMO)	[-0.0015 , 0.01165]	2
CoForest	[-0.01585 , 0.01685]	2
Rasco (NN)	[0.02365 , 0.053]	2
Rasco (C45)	[-0.01445 , 0.0212]	2
Rasco (NB)	[0.01 , 0.05665]	2
Rasco (SMO)	[0.0053 , 0.02715]	2
Co-Bagging (NN)	[-0.0048 , 0.0164]	2
Co-Bagging (C45)	[-0.01565 , 0.01415]	2
Co-Bagging (NB)	[0.00465 , 0.0462]	2
Co-Bagging (SMO)	[-0.00795 , 0.00005]	2
Rel-Rasco (NN)	[0.0256 , 0.05785]	2
Rel-Rasco (C45)	[-0.01205 , 0.0242]	2
Rel-Rasco (NB)	[0.01285 , 0.0603]	2
Rel-Rasco (SMO)	[0.0068 , 0.02815]	2
CLCC	[0.03665 , 0.0973]	2
APSSC	[0.0157 , 0.0588]	2
SNNRCE	[0.00175 , 0.02785]	2
ADE-CoForest	[0.0048 , 0.03665]	2

Table 41: Confidence intervals for algorithm TriTraining (SMO) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.00195 , 0.0255]	2
Self-Training (C45)	[-0.02285 , 0.0109]	2
Self-Training (NB)	[0.0089 , 0.0658]	2
Self-Training (SMO)	[-0.00395 , 0.0018]	2
Co-Training (NN)	[0.0007 , 0.0342]	2
Co-Training (C45)	[-0.02245 , 0.0132]	2
Co-Training (NB)	[-0.00345 , 0.0525]	2
Co-Training (SMO)	[-0.00825 , -0.001]	2
Democratic-Co	[-0.0286 , 0.00505]	2
SETRED	[-0.0065 , 0.0211]	2
TriTraining (NN)	[0.00455 , 0.03735]	2
TriTraining (C45)	[-0.02715 , 0.00725]	2
TriTraining (NB)	[-0.00135 , 0.0537]	2
DE-TriTraining (NN)	[-0.00395 , 0.02685]	2
DE-TriTraining (C45)	[-0.01065 , 0.0258]	2
DE-TriTraining (NB)	[0.00145 , 0.05525]	2
DE-TriTraining (SMO)	[-0.00395 , 0.01295]	2
CoForest	[-0.01955 , 0.0202]	2
Rasco (NN)	[0.02075 , 0.05625]	2
Rasco (C45)	[-0.01665 , 0.0254]	2
Rasco (NB)	[0.00565 , 0.0624]	2
Rasco (SMO)	[0.00425 , 0.0304]	2
Co-Bagging (NN)	[-0.00725 , 0.01895]	2
Co-Bagging (C45)	[-0.0181 , 0.01885]	2
Co-Bagging (NB)	[0.00055 , 0.0528]	2
Co-Bagging (SMO)	[-0.00905 , 0.00055]	2
Rel-Rasco (NN)	[0.02255 , 0.0619]	2
Rel-Rasco (C45)	[-0.0155 , 0.0289]	2
Rel-Rasco (NB)	[0.00955 , 0.06505]	2
Rel-Rasco (SMO)	[0.00525 , 0.03055]	2
CLCC	[0.03165 , 0.10745]	2
APSSC	[0.01125 , 0.0624]	2
SNNRCE	[-0.00125 , 0.0305]	2
ADE-CoForest	[0.00205 , 0.0397]	2

Table 42: Confidence intervals for algorithm TriTraining (SMO) (α=0.95)

15 Detailed results for DE-TriTraining (NN)

15.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	699.5	785.5	-	1
Self-Training (C45)	566.5	973.5	-	1
Self-Training (NB)	997.5	487.5	-	0.027813
Self-Training (SMO)	547.5	992.5	-	1
Co-Training (NN)	737.0	748.0	-	1
Co-Training (C45)	534.5	950.5	-	1
Co-Training (NB)	856.5	683.5	-	0.465575
Co-Training (SMO)	491.0	994.0	-	1
Democratic-Co	377.0	1163.0	-	1
SETRED	578.0	962.0	-	1
TriTraining (NN)	990.0	550.0	-	0.064679
TriTraining (C45)	487.0	998.0	-	1
TriTraining (NB)	850.0	635.0	-	0.351902
TriTraining (SMO)	585.0	955.0	-	1
DE-TriTraining (C45)	686.5	853.5	-	1
DE-TriTraining (NB)	898.0	642.0	-	0.28164
DE-TriTraining (SMO)	539.5	945.5	-	1
CoForest	565.0	920.0	-	1
Rasco (NN)	1101.0	439.0	-	0.005478
Rasco (C45)	698.5	841.5	-	1
Rasco (NB)	945.0	540.0	-	0.080486
Rasco (SMO)	872.0	668.0	-	0.39045
Co-Bagging (NN)	500.0	1040.0	-	1
Co-Bagging (C45)	632.0	908.0	-	1
Co-Bagging (NB)	906.5	633.5	-	0.250032
Co-Bagging (SMO)	465.0	1020.0	-	1
Rel-Rasco (NN)	1127.0	413.0	-	0.002713
Rel-Rasco (C45)	715.0	825.0	-	1
Rel-Rasco (NB)	984.5	555.5	-	0.071345
Rel-Rasco (SMO)	889.5	650.5	-	0.314185
CLCC	1207.0	278.0	-	0.000062
APSSC	955.5	584.5	-	0.11875
SNNRCE	765.0	775.0	-	1
ADE-CoForest	743.5	796.5	-	1

Table 43: Results obtained by the Wilcoxon test for algorithm DE-TriTraining (NN)

15.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0108 , 0.0063]	2
Self-Training (C45)	[-0.02885 , -0.00055]	2
Self-Training (NB)	[0.0054 , 0.04515]	2
Self-Training (SMO)	[-0.02625 , -0.0019]	2
Co-Training (NN)	[-0.01025 , 0.00955]	2
Co-Training (C45)	[-0.027 , -0.00105]	2
Co-Training (NB)	[-0.01005 , 0.03055]	2
Co-Training (SMO)	[-0.0363 , -0.0061]	2
Democratic-Co	[-0.0316 , -0.011]	2
SETRED	[-0.01545 , 0.0002]	2
TriTraining (NN)	[0.0009 , 0.01765]	2
TriTraining (C45)	[-0.03265 , -0.00445]	2
TriTraining (NB)	[-0.00815 , 0.03395]	2
TriTraining (SMO)	[-0.0234 , 0.00105]	2
DE-TriTraining (C45)	[-0.01385 , 0.0056]	2
DE-TriTraining (NB)	[-0.0061 , 0.0318]	2
DE-TriTraining (SMO)	[-0.01255 , -0.00025]	2
CoForest	[-0.0247 , 0.00065]	2
Rasco (NN)	[0.00925 , 0.03215]	2
Rasco (C45)	[-0.02265 , 0.0099]	2
Rasco (NB)	[0.00075 , 0.04445]	2
Rasco (SMO)	[-0.00805 , 0.02255]	2
Co-Bagging (NN)	[-0.01535 , -0.0023]	2
Co-Bagging (C45)	[-0.023 , 0.00425]	2
Co-Bagging (NB)	[-0.00555 , 0.0326]	2
Co-Bagging (SMO)	[-0.03415 , -0.0048]	2
Rel-Rasco (NN)	[0.01045 , 0.03445]	2
Rel-Rasco (C45)	[-0.0192 , 0.01245]	2
Rel-Rasco (NB)	[0.002 , 0.0502]	2
Rel-Rasco (SMO)	[-0.00575 , 0.0256]	2
CLCC	[0.02245 , 0.06675]	2
APSSC	[-0.00055 , 0.03405]	2
SNNRCE	[-0.0065 , 0.00645]	2
ADE-CoForest	[-0.00905 , 0.01]	2

Table 44: Confidence intervals for algorithm DE-TriTraining (NN) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0132 , 0.00825]	2
Self-Training (C45)	[-0.0308 , 0.00135]	2
Self-Training (NB)	[0.00235 , 0.0501]	2
Self-Training (SMO)	[-0.0294 , 0.0007]	2
Co-Training (NN)	[-0.01235 , 0.0112]	2
Co-Training (C45)	[-0.03045 , 0.00145]	2
Co-Training (NB)	[-0.013 , 0.03545]	2
Co-Training (SMO)	[-0.0391 , -0.0026]	2
Democratic-Co	[-0.03435 , -0.0086]	2
SETRED	[-0.0173 , 0.002]	2
TriTraining (NN)	[-0.0004 , 0.0193]	2
TriTraining (C45)	[-0.0369 , -0.00165]	2
TriTraining (NB)	[-0.01175 , 0.03845]	2
TriTraining (SMO)	[-0.02685 , 0.00395]	2
DE-TriTraining (C45)	[-0.0156 , 0.0077]	2
DE-TriTraining (NB)	[-0.00865 , 0.0365]	2
DE-TriTraining (SMO)	[-0.01445 , 0.00075]	2
CoForest	[-0.0274 , 0.00255]	2
Rasco (NN)	[0.0071 , 0.03485]	2
Rasco (C45)	[-0.02635 , 0.01315]	2
Rasco (NB)	[-0.003 , 0.04975]	2
Rasco (SMO)	[-0.0112 , 0.02525]	2
Co-Bagging (NN)	[-0.0167 , -0.00115]	2
Co-Bagging (C45)	[-0.02645 , 0.0071]	2
Co-Bagging (NB)	[-0.0095 , 0.0369]	2
Co-Bagging (SMO)	[-0.03765 , -0.00305]	2
Rel-Rasco (NN)	[0.0086 , 0.0368]	2
Rel-Rasco (C45)	[-0.0226 , 0.0157]	2
Rel-Rasco (NB)	[-0.0023 , 0.0563]	2
Rel-Rasco (SMO)	[-0.0101 , 0.0289]	2
CLCC	[0.0183 , 0.07615]	2
APSSC	[-0.0039 , 0.03765]	2
SNNRCE	[-0.00815 , 0.0076]	2
ADE-CoForest	[-0.0112 , 0.0131]	2

Table 45: Confidence intervals for algorithm DE-TriTraining (NN) (α=0.95)

16 Detailed results for DE-TriTraining (C45)

16.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	914.5	625.5	-	0.223437
Self-Training (C45)	425.0	1060.0	-	1
Self-Training (NB)	1149.5	390.5	-	0.00142
Self-Training (SMO)	684.0	856.0	-	1
Co-Training (NN)	946.5	593.5	-	0.137661
Co-Training (C45)	469.5	1070.5	-	1
Co-Training (NB)	988.0	552.0	-	0.067143
Co-Training (SMO)	551.0	934.0	-	1
Democratic-Co	328.0	1212.0	-	1
SETRED	807.0	678.0	-	0.574885
TriTraining (NN)	960.0	525.0	-	0.060514
TriTraining (C45)	317.0	1168.0	-	1
TriTraining (NB)	992.5	547.5	-	0.061432
TriTraining (SMO)	663.0	877.0	-	1
DE-TriTraining (NN)	853.5	686.5	-	0.481099
DE-TriTraining (NB)	1014.0	471.0	-	0.019182
DE-TriTraining (SMO)	777.0	708.0	-	0.762398
CoForest	514.0	971.0	-	1
Rasco (NN)	1118.0	367.0	-	0.001191
Rasco (C45)	722.0	818.0	-	1
Rasco (NB)	1073.0	467.0	-	0.01091
Rasco (SMO)	922.0	618.0	-	0.201345
Co-Bagging (NN)	779.5	760.5	-	0.933227
Co-Bagging (C45)	660.0	825.0	-	1
Co-Bagging (NB)	1020.0	520.0	-	0.035639
Co-Bagging (SMO)	628.0	912.0	-	1
Rel-Rasco (NN)	1193.0	347.0	-	0.000388
Rel-Rasco (C45)	781.0	759.0	-	0.92316
Rel-Rasco (NB)	1074.5	465.5	-	0.010523
Rel-Rasco (SMO)	961.0	579.0	-	0.108606
CLCC	1306.0	234.0	-	0.000007
APSSC	1068.0	472.0	-	0.012293
SNNRCE	911.5	628.5	-	0.233653
ADE-CoForest	737.0	803.0	-	1

Table 46: Results obtained by the Wilcoxon test for algorithm DE-TriTraining (C45)

16.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0051 , 0.0225]	2
Self-Training (C45)	[-0.01965 , -0.0046]	2
Self-Training (NB)	[0.0182 , 0.0536]	2
Self-Training (SMO)	[-0.0229 , 0.0092]	2
Co-Training (NN)	[-0.00265 , 0.02395]	2
Co-Training (C45)	[-0.01625 , -0.0031]	2
Co-Training (NB)	[0.00225 , 0.0366]	2
Co-Training (SMO)	[-0.0284 , -0.00005]	2
Democratic-Co	[-0.0276 , -0.0104]	2
SETRED	[-0.0093 , 0.01835]	2
TriTraining (NN)	[0.0029 , 0.0307]	2
TriTraining (C45)	[-0.0261 , -0.00925]	2
TriTraining (NB)	[0.0027 , 0.03835]	2
TriTraining (SMO)	[-0.02295 , 0.00785]	2
DE-TriTraining (NN)	[-0.0056 , 0.01385]	2
DE-TriTraining (NB)	[0.00565 , 0.03425]	2
DE-TriTraining (SMO)	[-0.00665 , 0.0108]	2
CoForest	[-0.0264 , -0.0033]	2
Rasco (NN)	[0.01875 , 0.0446]	2
Rasco (C45)	[-0.0099 , 0.00535]	2
Rasco (NB)	[0.01165 , 0.0475]	2
Rasco (SMO)	[-0.00445 , 0.0256]	2
Co-Bagging (NN)	[-0.0132 , 0.0101]	2
Co-Bagging (C45)	[-0.01395 , 0.00585]	2
Co-Bagging (NB)	[0.0053 , 0.0372]	2
Co-Bagging (SMO)	[-0.0242 , 0.004]	2
Rel-Rasco (NN)	[0.022 , 0.04735]	2
Rel-Rasco (C45)	[-0.00745 , 0.0075]	2
Rel-Rasco (NB)	[0.01235 , 0.04765]	2
Rel-Rasco (SMO)	[-0.00035 , 0.0323]	2
CLCC	[0.02735 , 0.07285]	2
APSSC	[0.01055 , 0.0503]	2
SNNRCE	[-0.0035 , 0.0195]	2
ADE-CoForest	[-0.00955 , 0.00965]	2

Table 47: Confidence intervals for algorithm DE-TriTraining (C45) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0088 , 0.02435]	2
Self-Training (C45)	[-0.0209 , -0.00355]	2
Self-Training (NB)	[0.01425 , 0.05815]	2
Self-Training (SMO)	[-0.02615 , 0.01275]	2
Co-Training (NN)	[-0.00525 , 0.02655]	2
Co-Training (C45)	[-0.0177 , -0.00195]	2
Co-Training (NB)	[-0.00135 , 0.04]	2
Co-Training (SMO)	[-0.03095 , 0.00425]	2
Democratic-Co	[-0.0295 , -0.0092]	2
SETRED	[-0.0127 , 0.0205]	2
TriTraining (NN)	[-0.0005 , 0.03375]	2
TriTraining (C45)	[-0.0279 , -0.00775]	2
TriTraining (NB)	[-0.0009 , 0.04175]	2
TriTraining (SMO)	[-0.0258 , 0.01065]	2
DE-TriTraining (NN)	[-0.0077 , 0.0156]	2
DE-TriTraining (NB)	[0.003 , 0.03705]	2
DE-TriTraining (SMO)	[-0.0085 , 0.0128]	2
CoForest	[-0.0292 , -0.00005]	2
Rasco (NN)	[0.0156 , 0.0474]	2
Rasco (C45)	[-0.0114 , 0.00645]	2
Rasco (NB)	[0.0081 , 0.0519]	2
Rasco (SMO)	[-0.0074 , 0.0289]	2
Co-Bagging (NN)	[-0.01535 , 0.01205]	2
Co-Bagging (C45)	[-0.01625 , 0.00775]	2
Co-Bagging (NB)	[0.002 , 0.0407]	2
Co-Bagging (SMO)	[-0.0277 , 0.00635]	2
Rel-Rasco (NN)	[0.0191 , 0.0502]	2
Rel-Rasco (C45)	[-0.0092 , 0.00895]	2
Rel-Rasco (NB)	[0.0088 , 0.05415]	2
Rel-Rasco (SMO)	[-0.00435 , 0.03505]	2
CLCC	[0.0238 , 0.0821]	2
APSSC	[0.00695 , 0.0539]	2
SNNRCE	[-0.0057 , 0.0209]	2
ADE-CoForest	[-0.0118 , 0.01315]	2

Table 48: Confidence intervals for algorithm DE-TriTraining (C45) (α=0.95)

17 Detailed results for DE-TriTraining (NB)

17.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	672.5	867.5	-	1
Self-Training (C45)	375.5	1164.5	-	1
Self-Training (NB)	1158.0	327.0	-	0.000341
Self-Training (SMO)	542.0	998.0	-	1
Co-Training (NN)	700.0	840.0	-	1
Co-Training (C45)	366.0	1119.0	-	1
Co-Training (NB)	706.0	779.0	-	1
Co-Training (SMO)	479.5	1060.5	-	1
Democratic-Co	136.5	1348.5	-	1
SETRED	605.0	880.0	-	1
TriTraining (NN)	730.0	755.0	-	1
TriTraining (C45)	327.0	1213.0	-	1
TriTraining (NB)	695.0	790.0	-	1
TriTraining (SMO)	521.0	1019.0	-	1
DE-TriTraining (NN)	642.0	898.0	-	1
DE-TriTraining (C45)	471.0	1014.0	-	1
DE-TriTraining (SMO)	626.0	914.0	-	1
CoForest	514.0	1026.0	-	1
Rasco (NN)	858.0	682.0	-	0.458389
Rasco (C45)	504.0	981.0	-	1
Rasco (NB)	846.5	693.5	-	0.517954
Rasco (SMO)	697.0	843.0	-	1
Co-Bagging (NN)	562.0	978.0	-	1
Co-Bagging (C45)	497.0	1043.0	-	1
Co-Bagging (NB)	746.5	793.5	-	1
Co-Bagging (SMO)	492.0	993.0	-	1
Rel-Rasco (NN)	887.5	652.5	-	0.322318
Rel-Rasco (C45)	547.5	992.5	-	1
Rel-Rasco (NB)	882.0	658.0	-	0.344374
Rel-Rasco (SMO)	735.0	805.0	-	1
CLCC	1187.0	353.0	-	0.00045
APSSC	766.0	719.0	-	0.836287
SNNRCE	659.0	881.0	-	1
ADE-CoForest	634.0	906.0	-	1

Table 49: Results obtained by the Wilcoxon test for algorithm DE-TriTraining (NB)

17.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.03995 , 0.01165]	2
Self-Training (C45)	[-0.05015 , -0.0171]	2
Self-Training (NB)	[0.00865 , 0.02035]	2
Self-Training (SMO)	[-0.056 , -0.0033]	2
Co-Training (NN)	[-0.0364 , 0.01605]	2
Co-Training (C45)	[-0.0499 , -0.0162]	2
Co-Training (NB)	[-0.0067 , 0.00465]	2
Co-Training (SMO)	[-0.05725 , -0.00985]	2
Democratic-Co	[-0.05495 , -0.02735]	2
SETRED	[-0.04365 , 0.0066]	2
TriTraining (NN)	[-0.0313 , 0.0209]	2
TriTraining (C45)	[-0.05515 , -0.0215]	2
TriTraining (NB)	[-0.00535 , 0.0039]	2
TriTraining (SMO)	[-0.0505 , -0.0053]	2
DE-TriTraining (NN)	[-0.0318 , 0.0061]	2
DE-TriTraining (C45)	[-0.03425 , -0.00565]	2
DE-TriTraining (SMO)	[-0.03625 , 0.0044]	2
CoForest	[-0.0528 , -0.0068]	2
Rasco (NN)	[-0.01375 , 0.03805]	2
Rasco (C45)	[-0.04305 , -0.0065]	2
Rasco (NB)	[-0.00355 , 0.0094]	2
Rasco (SMO)	[-0.0341 , 0.01465]	2
Co-Bagging (NN)	[-0.04225 , -0.0014]	2
Co-Bagging (C45)	[-0.0416 , -0.00735]	2
Co-Bagging (NB)	[-0.0056 , 0.0041]	2
Co-Bagging (SMO)	[-0.05635 , -0.00785]	2
Rel-Rasco (NN)	[-0.0095 , 0.042]	2
Rel-Rasco (C45)	[-0.0394 , -0.0032]	2
Rel-Rasco (NB)	[-0.00245 , 0.01125]	2
Rel-Rasco (SMO)	[-0.02855 , 0.02015]	2
CLCC	[0.01645 , 0.03835]	2
APSSC	[-0.0196 , 0.026]	2
SNNRCE	[-0.03375 , 0.00735]	2
ADE-CoForest	[-0.02925 , 0.005]	2

Table 50: Confidence intervals for algorithm DE-TriTraining (NB) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.04665 , 0.01505]	2
Self-Training (C45)	[-0.05275 , -0.0139]	2
Self-Training (NB)	[0.00705 , 0.022]	2
Self-Training (SMO)	[-0.0594 , 0.0007]	2
Co-Training (NN)	[-0.04135 , 0.0202]	2
Co-Training (C45)	[-0.05335 , -0.0134]	2
Co-Training (NB)	[-0.00865 , 0.006]	2
Co-Training (SMO)	[-0.06235 , -0.0061]	2
Democratic-Co	[-0.0575 , -0.025]	2
SETRED	[-0.0491 , 0.0106]	2
TriTraining (NN)	[-0.03845 , 0.02605]	2
TriTraining (C45)	[-0.05955 , -0.019]	2
TriTraining (NB)	[-0.0067 , 0.0056]	2
TriTraining (SMO)	[-0.05525 , -0.00145]	2
DE-TriTraining (NN)	[-0.0365 , 0.00865]	2
DE-TriTraining (C45)	[-0.03705 , -0.003]	2
DE-TriTraining (SMO)	[-0.0404 , 0.00775]	2
CoForest	[-0.0576 , -0.00365]	2
Rasco (NN)	[-0.01865 , 0.04495]	2
Rasco (C45)	[-0.04655 , -0.00205]	2
Rasco (NB)	[-0.00455 , 0.01115]	2
Rasco (SMO)	[-0.03865 , 0.02075]	2
Co-Bagging (NN)	[-0.04705 , 0.0019]	2
Co-Bagging (C45)	[-0.0453 , -0.00395]	2
Co-Bagging (NB)	[-0.00665 , 0.00505]	2
Co-Bagging (SMO)	[-0.06185 , -0.0037]	2
Rel-Rasco (NN)	[-0.0163 , 0.048]	2
Rel-Rasco (C45)	[-0.04385 , 0.0011]	2
Rel-Rasco (NB)	[-0.0037 , 0.01295]	2
Rel-Rasco (SMO)	[-0.0334 , 0.02515]	2
CLCC	[0.01485 , 0.04145]	2
APSSC	[-0.02455 , 0.0323]	2
SNNRCE	[-0.03885 , 0.0127]	2
ADE-CoForest	[-0.03305 , 0.009]	2

Table 51: Confidence intervals for algorithm DE-TriTraining (NB) (α=0.95)

18 Detailed results for DE-TriTraining (SMO)

18.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	986.0	554.0	-	0.069392
Self-Training (C45)	539.0	946.0	-	1
Self-Training (NB)	1023.0	517.0	-	0.033673
Self-Training (SMO)	675.0	865.0	-	1
Co-Training (NN)	1016.0	524.0	-	0.038485
Co-Training (C45)	566.5	918.5	-	1
Co-Training (NB)	916.0	624.0	-	0.219651
Co-Training (SMO)	453.0	1087.0	-	1
Democratic-Co	446.0	1039.0	-	1
SETRED	888.5	651.5	-	0.317219
TriTraining (NN)	1033.0	452.0	-	0.012225
TriTraining (C45)	518.0	1022.0	-	1
TriTraining (NB)	914.0	626.0	-	0.22601
TriTraining (SMO)	595.0	890.0	-	1
DE-TriTraining (NN)	945.5	539.5	-	0.079743
DE-TriTraining (C45)	708.0	777.0	-	1
DE-TriTraining (NB)	914.0	626.0	-	0.22601
CoForest	605.5	879.5	-	1
Rasco (NN)	1233.0	307.0	-	0.000103
Rasco (C45)	690.5	794.5	-	1
Rasco (NB)	994.0	546.0	-	0.059974
Rasco (SMO)	978.0	562.0	-	0.08065
Co-Bagging (NN)	771.0	714.0	-	0.802197
Co-Bagging (C45)	678.0	862.0	-	1
Co-Bagging (NB)	919.0	621.0	-	0.210354
Co-Bagging (SMO)	512.0	973.0	-	1
Rel-Rasco (NN)	1274.0	266.0	-	0.000023
Rel-Rasco (C45)	730.0	755.0	-	1
Rel-Rasco (NB)	991.5	548.5	-	0.062605
Rel-Rasco (SMO)	1006.5	533.5	-	0.046374
CLCC	1184.0	301.0	-	0.000141
APSSC	1103.0	437.0	-	0.005109
SNNRCE	1033.0	507.0	-	0.02694
ADE-CoForest	843.0	642.0	-	0.384502

Table 52: Results obtained by the Wilcoxon test for algorithm DE-TriTraining (SMO)

18.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[0.001 , 0.01965]	2
Self-Training (C45)	[-0.0258 , -0.00105]	2
Self-Training (NB)	[0.00675 , 0.0513]	2
Self-Training (SMO)	[-0.0104 , 0.0054]	2
Co-Training (NN)	[0.0026 , 0.0232]	2
Co-Training (C45)	[-0.02375 , 0.00095]	2
Co-Training (NB)	[-0.0074 , 0.038]	2
Co-Training (SMO)	[-0.0188 , -0.0053]	2
Democratic-Co	[-0.0299 , -0.00625]	2
SETRED	[-0.00305 , 0.01415]	2
TriTraining (NN)	[0.0057 , 0.02875]	2
TriTraining (C45)	[-0.03145 , -0.00455]	2
TriTraining (NB)	[-0.0055 , 0.04055]	2
TriTraining (SMO)	[-0.01165 , 0.0015]	2
DE-TriTraining (NN)	[0.00025 , 0.01255]	2
DE-TriTraining (C45)	[-0.0108 , 0.00665]	2
DE-TriTraining (NB)	[-0.0044 , 0.03625]	2
CoForest	[-0.02115 , 0.00385]	2
Rasco (NN)	[0.0223 , 0.0415]	2
Rasco (C45)	[-0.0179 , 0.01075]	2
Rasco (NB)	[0.00355 , 0.0495]	2
Rasco (SMO)	[0.00045 , 0.0224]	2
Co-Bagging (NN)	[-0.00605 , 0.00805]	2
Co-Bagging (C45)	[-0.0198 , 0.00795]	2
Co-Bagging (NB)	[-0.004 , 0.0379]	2
Co-Bagging (SMO)	[-0.0148 , -0.00195]	2
Rel-Rasco (NN)	[0.023 , 0.0432]	2
Rel-Rasco (C45)	[-0.01465 , 0.01375]	2
Rel-Rasco (NB)	[0.00395 , 0.0527]	2
Rel-Rasco (SMO)	[0.0023 , 0.0271]	2
CLCC	[0.02535 , 0.0769]	2
APSSC	[0.01315 , 0.0518]	2
SNNRCE	[0.00325 , 0.0193]	2
ADE-CoForest	[-0.00425 , 0.01655]	2

Table 53: Confidence intervals for algorithm DE-TriTraining (SMO) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0005 , 0.02155]	2
Self-Training (C45)	[-0.02925 , 0.0016]	2
Self-Training (NB)	[0.00225 , 0.05655]	2
Self-Training (SMO)	[-0.0119 , 0.00785]	2
Co-Training (NN)	[0.0007 , 0.02545]	2
Co-Training (C45)	[-0.0272 , 0.0035]	2
Co-Training (NB)	[-0.01175 , 0.04245]	2
Co-Training (SMO)	[-0.021 , -0.0039]	2
Democratic-Co	[-0.03235 , -0.00405]	2
SETRED	[-0.005 , 0.0155]	2
TriTraining (NN)	[0.0037 , 0.03155]	2
TriTraining (C45)	[-0.03385 , -0.00155]	2
TriTraining (NB)	[-0.00985 , 0.04375]	2
TriTraining (SMO)	[-0.01295 , 0.00395]	2
DE-TriTraining (NN)	[-0.00075 , 0.01445]	2
DE-TriTraining (C45)	[-0.0128 , 0.0085]	2
DE-TriTraining (NB)	[-0.00775 , 0.0404]	2
CoForest	[-0.02345 , 0.00675]	2
Rasco (NN)	[0.02035 , 0.04365]	2
Rasco (C45)	[-0.0201 , 0.01415]	2
Rasco (NB)	[-0.00055 , 0.05395]	2
Rasco (SMO)	[-0.0013 , 0.02585]	2
Co-Bagging (NN)	[-0.00765 , 0.00925]	2
Co-Bagging (C45)	[-0.02335 , 0.0105]	2
Co-Bagging (NB)	[-0.0089 , 0.04355]	2
Co-Bagging (SMO)	[-0.01695 , -0.0003]	2
Rel-Rasco (NN)	[0.0209 , 0.0446]	2
Rel-Rasco (C45)	[-0.0173 , 0.01705]	2
Rel-Rasco (NB)	[-0.0008 , 0.059]	2
Rel-Rasco (SMO)	[0.0001 , 0.03045]	2
CLCC	[0.02115 , 0.0867]	2
APSSC	[0.0085 , 0.057]	2
SNNRCE	[0.0014 , 0.02075]	2
ADE-CoForest	[-0.00695 , 0.01945]	2

Table 54: Confidence intervals for algorithm DE-TriTraining (SMO) (α=0.95)

19 Detailed results for CoForest

19.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	919.5	565.5	-	0.125619
Self-Training (C45)	864.0	676.0	-	0.428493
Self-Training (NB)	1098.0	442.0	-	0.005917
Self-Training (SMO)	722.5	817.5	-	1
Co-Training (NN)	963.5	521.5	-	0.056234
Co-Training (C45)	861.5	623.5	-	0.301953
Co-Training (NB)	980.0	560.0	-	0.077785
Co-Training (SMO)	688.5	851.5	-	1
Democratic-Co	697.5	842.5	-	1
SETRED	906.0	634.0	-	0.25276
TriTraining (NN)	986.5	553.5	-	0.068751
TriTraining (C45)	779.0	706.0	-	0.749786
TriTraining (NB)	1027.0	513.0	-	0.030969
TriTraining (SMO)	766.0	774.0	-	1
DE-TriTraining (NN)	920.0	565.0	-	0.124963
DE-TriTraining (C45)	971.0	514.0	-	0.048639
DE-TriTraining (NB)	1026.0	514.0	-	0.031627
DE-TriTraining (SMO)	879.5	605.5	-	0.235946
Rasco (NN)	1104.0	381.0	-	0.001807
Rasco (C45)	940.0	545.0	-	0.088227
Rasco (NB)	1038.0	502.0	-	0.024472
Rasco (SMO)	978.5	561.5	-	0.07961
Co-Bagging (NN)	920.0	620.0	-	0.207319
Co-Bagging (C45)	880.0	605.0	-	0.232733
Co-Bagging (NB)	1031.0	509.0	-	0.028452
Co-Bagging (SMO)	690.0	850.0	-	1
Rel-Rasco (NN)	1172.0	368.0	-	0.000736
Rel-Rasco (C45)	994.0	546.0	-	0.059974
Rel-Rasco (NB)	1055.0	485.0	-	0.016753
Rel-Rasco (SMO)	946.5	538.5	-	0.077953
CLCC	1308.0	232.0	-	0.000006
APSSC	982.0	558.0	-	0.075004
SNNRCE	986.5	553.5	-	0.068461
ADE-CoForest	1106.0	434.0	-	0.004767

Table 55: Results obtained by the Wilcoxon test for algorithm CoForest

19.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.00055 , 0.0275]	2
Self-Training (C45)	[-0.00635 , 0.01465]	2
Self-Training (NB)	[0.02015 , 0.0658]	2
Self-Training (SMO)	[-0.01805 , 0.01075]	2
Co-Training (NN)	[0.00285 , 0.0295]	2
Co-Training (C45)	[-0.00575 , 0.017]	2
Co-Training (NB)	[0.00145 , 0.0486]	2
Co-Training (SMO)	[-0.0217 , 0.00975]	2
Democratic-Co	[-0.01955 , 0.0081]	2
SETRED	[-0.0046 , 0.023]	2
TriTraining (NN)	[0.0026 , 0.03385]	2
TriTraining (C45)	[-0.0085 , 0.01]	2
TriTraining (NB)	[0.00825 , 0.05085]	2
TriTraining (SMO)	[-0.01685 , 0.01585]	2
DE-TriTraining (NN)	[-0.00065 , 0.0247]	2
DE-TriTraining (C45)	[0.0033 , 0.0264]	2
DE-TriTraining (NB)	[0.0068 , 0.0528]	2
DE-TriTraining (SMO)	[-0.00385 , 0.02115]	2
Rasco (NN)	[0.0241 , 0.05825]	2
Rasco (C45)	[0.00045 , 0.0231]	2
Rasco (NB)	[0.0113 , 0.0624]	2
Rasco (SMO)	[0.0011 , 0.03855]	2
Co-Bagging (NN)	[-0.00305 , 0.0192]	2
Co-Bagging (C45)	[-0.0036 , 0.01705]	2
Co-Bagging (NB)	[0.0087 , 0.05125]	2
Co-Bagging (SMO)	[-0.02205 , 0.00835]	2
Rel-Rasco (NN)	[0.0287 , 0.06295]	2
Rel-Rasco (C45)	[0.0021 , 0.02875]	2
Rel-Rasco (NB)	[0.01195 , 0.06645]	2
Rel-Rasco (SMO)	[0.003 , 0.0427]	2
CLCC	[0.0303 , 0.07885]	2
APSSC	[0.0021 , 0.0509]	2
SNNRCE	[0.0015 , 0.02505]	2
ADE-CoForest	[0.00505 , 0.02115]	2

Table 56: Confidence intervals for algorithm CoForest (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.00455 , 0.0301]	2
Self-Training (C45)	[-0.0091 , 0.0169]	2
Self-Training (NB)	[0.0152 , 0.071]	2
Self-Training (SMO)	[-0.02305 , 0.0148]	2
Co-Training (NN)	[0 , 0.0316]	2
Co-Training (C45)	[-0.00875 , 0.01855]	2
Co-Training (NB)	[-0.00345 , 0.0535]	2
Co-Training (SMO)	[-0.0255 , 0.0131]	2
Democratic-Co	[-0.0221 , 0.0102]	2
SETRED	[-0.0079 , 0.02515]	2
TriTraining (NN)	[-0.0015 , 0.03615]	2
TriTraining (C45)	[-0.01125 , 0.0117]	2
TriTraining (NB)	[0.00335 , 0.05535]	2
TriTraining (SMO)	[-0.0202 , 0.01955]	2
DE-TriTraining (NN)	[-0.00255 , 0.0274]	2
DE-TriTraining (C45)	[0.00005 , 0.0292]	2
DE-TriTraining (NB)	[0.00365 , 0.0576]	2
DE-TriTraining (SMO)	[-0.00675 , 0.02345]	2
Rasco (NN)	[0.02055 , 0.062]	2
Rasco (C45)	[-0.00265 , 0.0256]	2
Rasco (NB)	[0.00575 , 0.06905]	2
Rasco (SMO)	[-0.00205 , 0.041]	2
Co-Bagging (NN)	[-0.0052 , 0.02215]	2
Co-Bagging (C45)	[-0.00665 , 0.0205]	2
Co-Bagging (NB)	[0.0038 , 0.0567]	2
Co-Bagging (SMO)	[-0.02555 , 0.01035]	2
Rel-Rasco (NN)	[0.02335 , 0.0661]	2
Rel-Rasco (C45)	[-0.00095 , 0.0313]	2
Rel-Rasco (NB)	[0.00755 , 0.07095]	2
Rel-Rasco (SMO)	[-0.0028 , 0.04685]	2
CLCC	[0.0263 , 0.08695]	2
APSSC	[-0.002 , 0.05535]	2
SNNRCE	[-0.0012 , 0.027]	2
ADE-CoForest	[0.0036 , 0.0232]	2

Table 57: Confidence intervals for algorithm CoForest (α=0.95)

20 Detailed results for Rasco (NN)

20.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	204.5	1280.5	-	1
Self-Training (C45)	259.0	1281.0	-	1
Self-Training (NB)	766.0	774.0	-	1
Self-Training (SMO)	315.0	1225.0	-	1
Co-Training (NN)	292.0	1193.0	-	1
Co-Training (C45)	258.0	1282.0	-	1
Co-Training (NB)	653.0	887.0	-	1
Co-Training (SMO)	232.0	1308.0	-	1
Democratic-Co	197.5	1342.5	-	1
SETRED	100.0	1385.0	-	1
TriTraining (NN)	588.5	896.5	-	1
TriTraining (C45)	185.0	1355.0	-	1
TriTraining (NB)	663.0	877.0	-	1
TriTraining (SMO)	271.0	1214.0	-	1
DE-TriTraining (NN)	439.0	1101.0	-	1
DE-TriTraining (C45)	367.0	1118.0	-	1
DE-TriTraining (NB)	682.0	858.0	-	1
DE-TriTraining (SMO)	307.0	1233.0	-	1
CoForest	381.0	1104.0	-	1
Rasco (C45)	328.0	1212.0	-	1
Rasco (NB)	729.0	811.0	-	1
Rasco (SMO)	470.5	1069.5	-	1
Co-Bagging (NN)	227.5	1312.5	-	1
Co-Bagging (C45)	368.0	1172.0	-	1
Co-Bagging (NB)	667.0	873.0	-	1
Co-Bagging (SMO)	221.0	1319.0	-	1
Rel-Rasco (NN)	770.5	714.5	-	0.804087
Rel-Rasco (C45)	379.0	1161.0	-	1
Rel-Rasco (NB)	748.0	792.0	-	1
Rel-Rasco (SMO)	483.0	1057.0	-	1
CLCC	953.5	586.5	-	0.122765
APSSC	750.0	790.0	-	1
SNNRCE	351.5	1188.5	-	1
ADE-CoForest	516.0	1024.0	-	1

Table 58: Results obtained by the Wilcoxon test for algorithm Rasco (NN)

20.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0241 , -0.0108]	2
Self-Training (C45)	[-0.05995 , -0.02965]	2
Self-Training (NB)	[-0.0263 , 0.0282]	2
Self-Training (SMO)	[-0.05535 , -0.023]	2
Co-Training (NN)	[-0.0287 , -0.00945]	2
Co-Training (C45)	[-0.0608 , -0.02905]	2
Co-Training (NB)	[-0.04155 , 0.0095]	2
Co-Training (SMO)	[-0.0609 , -0.03035]	2
Democratic-Co	[-0.0687 , -0.03505]	2
SETRED	[-0.0298 , -0.01445]	2
TriTraining (NN)	[-0.02225 , 0.00225]	2
TriTraining (C45)	[-0.06385 , -0.0347]	2
TriTraining (NB)	[-0.0388 , 0.01285]	2
TriTraining (SMO)	[-0.053 , -0.02365]	2
DE-TriTraining (NN)	[-0.03215 , -0.00925]	2
DE-TriTraining (C45)	[-0.0446 , -0.01875]	2
DE-TriTraining (NB)	[-0.03805 , 0.01375]	2
DE-TriTraining (SMO)	[-0.0415 , -0.0223]	2
CoForest	[-0.05825 , -0.0241]	2
Rasco (C45)	[-0.04735 , -0.02035]	2
Rasco (NB)	[-0.0343 , 0.02105]	2
Rasco (SMO)	[-0.03555 , -0.00805]	2
Co-Bagging (NN)	[-0.03675 , -0.0191]	2
Co-Bagging (C45)	[-0.0558 , -0.0207]	2
Co-Bagging (NB)	[-0.03845 , 0.01275]	2
Co-Bagging (SMO)	[-0.06015 , -0.0308]	2
Rel-Rasco (NN)	[-0.00165 , 0.00225]	2
Rel-Rasco (C45)	[-0.0506 , -0.01855]	2
Rel-Rasco (NB)	[-0.0318 , 0.02395]	2
Rel-Rasco (SMO)	[-0.0343 , -0.00665]	2
CLCC	[-0.00175 , 0.0562]	2
APSSC	[-0.0212 , 0.01775]	2
SNNRCE	[-0.0282 , -0.01095]	2
ADE-CoForest	[-0.0376 , -0.00655]	2

Table 59: Confidence intervals for algorithm Rasco (NN) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.02595 , -0.01]	2
Self-Training (C45)	[-0.06385 , -0.02725]	2
Self-Training (NB)	[-0.0309 , 0.0329]	2
Self-Training (SMO)	[-0.05865 , -0.0197]	2
Co-Training (NN)	[-0.03075 , -0.0081]	2
Co-Training (C45)	[-0.06485 , -0.02565]	2
Co-Training (NB)	[-0.0473 , 0.0161]	2
Co-Training (SMO)	[-0.06485 , -0.0271]	2
Democratic-Co	[-0.072 , -0.0312]	2
SETRED	[-0.0321 , -0.0134]	2
TriTraining (NN)	[-0.02505 , 0.0038]	2
TriTraining (C45)	[-0.06745 , -0.0318]	2
TriTraining (NB)	[-0.04445 , 0.01715]	2
TriTraining (SMO)	[-0.05625 , -0.02075]	2
DE-TriTraining (NN)	[-0.03485 , -0.0071]	2
DE-TriTraining (C45)	[-0.0474 , -0.0156]	2
DE-TriTraining (NB)	[-0.04495 , 0.01865]	2
DE-TriTraining (SMO)	[-0.04365 , -0.02035]	2
CoForest	[-0.062 , -0.02055]	2
Rasco (C45)	[-0.05 , -0.0175]	2
Rasco (NB)	[-0.039 , 0.0273]	2
Rasco (SMO)	[-0.03815 , -0.00485]	2
Co-Bagging (NN)	[-0.03905 , -0.0177]	2
Co-Bagging (C45)	[-0.05955 , -0.0184]	2
Co-Bagging (NB)	[-0.04295 , 0.017]	2
Co-Bagging (SMO)	[-0.0631 , -0.02785]	2
Rel-Rasco (NN)	[-0.0022 , 0.003]	2
Rel-Rasco (C45)	[-0.0535 , -0.0146]	2
Rel-Rasco (NB)	[-0.037 , 0.02965]	2
Rel-Rasco (SMO)	[-0.03705 , -0.00385]	2
CLCC	[-0.0097 , 0.0646]	2
APSSC	[-0.02595 , 0.02145]	2
SNNRCE	[-0.03075 , -0.00905]	2
ADE-CoForest	[-0.04015 , -0.0032]	2

Table 60: Confidence intervals for algorithm Rasco (NN) (α=0.95)

21 Detailed results for Rasco (C45)

21.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	909.5	630.5	-	0.239811
Self-Training (C45)	496.5	1043.5	-	1
Self-Training (NB)	1096.0	444.0	-	0.006227
Self-Training (SMO)	756.0	784.0	-	1
Co-Training (NN)	895.5	644.5	-	0.290601
Co-Training (C45)	429.5	1110.5	-	1
Co-Training (NB)	943.0	542.0	-	0.083514
Co-Training (SMO)	667.0	873.0	-	1
Democratic-Co	519.5	1020.5	-	1
SETRED	841.5	698.5	-	0.545918
TriTraining (NN)	965.0	575.0	-	0.101063
TriTraining (C45)	247.0	1238.0	-	1
TriTraining (NB)	1010.5	529.5	-	0.043025
TriTraining (SMO)	738.0	802.0	-	1
DE-TriTraining (NN)	841.5	698.5	-	0.545918
DE-TriTraining (C45)	818.0	722.0	-	0.683852
DE-TriTraining (NB)	981.0	504.0	-	0.039605
DE-TriTraining (SMO)	794.5	690.5	-	0.650188
CoForest	545.0	940.0	-	1
Rasco (NN)	1212.0	328.0	-	0.000209
Rasco (NB)	1026.0	514.0	-	0.031627
Rasco (SMO)	907.0	633.0	-	0.248804
Co-Bagging (NN)	836.0	704.0	-	0.57661
Co-Bagging (C45)	635.5	904.5	-	1
Co-Bagging (NB)	1014.5	525.5	-	0.039889
Co-Bagging (SMO)	668.0	817.0	-	1
Rel-Rasco (NN)	1239.5	300.5	-	0.000079
Rel-Rasco (C45)	728.5	756.5	-	1
Rel-Rasco (NB)	1039.0	501.0	-	0.023944
Rel-Rasco (SMO)	944.5	595.5	-	0.140073
CLCC	1148.0	337.0	-	0.000473
APSSC	1055.0	485.0	-	0.016753
SNNRCE	918.5	621.5	-	0.211405
ADE-CoForest	793.5	691.5	-	0.656766

Table 61: Results obtained by the Wilcoxon test for algorithm Rasco (C45)

21.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0053 , 0.0269]	2
Self-Training (C45)	[-0.01185 , -0.00125]	2
Self-Training (NB)	[0.01915 , 0.0587]	2
Self-Training (SMO)	[-0.0214 , 0.0162]	2
Co-Training (NN)	[-0.00595 , 0.02465]	2
Co-Training (C45)	[-0.01125 , -0.002]	2
Co-Training (NB)	[0.00145 , 0.0414]	2
Co-Training (SMO)	[-0.0287 , 0.00725]	2
Democratic-Co	[-0.0224 , -0.0024]	2
SETRED	[-0.0101 , 0.0215]	2
TriTraining (NN)	[0.0001 , 0.03845]	2
TriTraining (C45)	[-0.01545 , -0.0055]	2
TriTraining (NB)	[0.00665 , 0.04175]	2
TriTraining (SMO)	[-0.0212 , 0.01445]	2
DE-TriTraining (NN)	[-0.0099 , 0.02265]	2
DE-TriTraining (C45)	[-0.00535 , 0.0099]	2
DE-TriTraining (NB)	[0.0065 , 0.04305]	2
DE-TriTraining (SMO)	[-0.01075 , 0.0179]	2
CoForest	[-0.0231 , -0.00045]	2
Rasco (NN)	[0.02035 , 0.04735]	2
Rasco (NB)	[0.00745 , 0.0498]	2
Rasco (SMO)	[-0.00345 , 0.0283]	2
Co-Bagging (NN)	[-0.0097 , 0.01605]	2
Co-Bagging (C45)	[-0.01145 , 0.0024]	2
Co-Bagging (NB)	[0.0057 , 0.0411]	2
Co-Bagging (SMO)	[-0.0229 , 0.0094]	2
Rel-Rasco (NN)	[0.02305 , 0.04975]	2
Rel-Rasco (C45)	[-0.003 , 0.0027]	2
Rel-Rasco (NB)	[0.00985 , 0.052]	2
Rel-Rasco (SMO)	[-0.0017 , 0.03255]	2
CLCC	[0.0301 , 0.0883]	2
APSSC	[0.0128 , 0.05365]	2
SNNRCE	[-0.0045 , 0.0258]	2
ADE-CoForest	[-0.01245 , 0.0281]	2

Table 62: Confidence intervals for algorithm Rasco (C45) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0097 , 0.03]	2
Self-Training (C45)	[-0.01375 , -0.00065]	2
Self-Training (NB)	[0.01495 , 0.06325]	2
Self-Training (SMO)	[-0.02595 , 0.01965]	2
Co-Training (NN)	[-0.01 , 0.0285]	2
Co-Training (C45)	[-0.01355 , -0.0015]	2
Co-Training (NB)	[-0.00305 , 0.04565]	2
Co-Training (SMO)	[-0.033 , 0.0094]	2
Democratic-Co	[-0.0253 , -0.0009]	2
SETRED	[-0.01555 , 0.02445]	2
TriTraining (NN)	[-0.00445 , 0.04205]	2
TriTraining (C45)	[-0.01765 , -0.00485]	2
TriTraining (NB)	[0.002 , 0.045]	2
TriTraining (SMO)	[-0.0254 , 0.01665]	2
DE-TriTraining (NN)	[-0.01315 , 0.02635]	2
DE-TriTraining (C45)	[-0.00645 , 0.0114]	2
DE-TriTraining (NB)	[0.00205 , 0.04655]	2
DE-TriTraining (SMO)	[-0.01415 , 0.0201]	2
CoForest	[-0.0256 , 0.00265]	2
Rasco (NN)	[0.0175 , 0.05]	2
Rasco (NB)	[0.00345 , 0.0536]	2
Rasco (SMO)	[-0.00635 , 0.0311]	2
Co-Bagging (NN)	[-0.0141 , 0.0199]	2
Co-Bagging (C45)	[-0.01295 , 0.0043]	2
Co-Bagging (NB)	[0.00065 , 0.0449]	2
Co-Bagging (SMO)	[-0.02665 , 0.01165]	2
Rel-Rasco (NN)	[0.02065 , 0.05175]	2
Rel-Rasco (C45)	[-0.00355 , 0.00385]	2
Rel-Rasco (NB)	[0.00505 , 0.05745]	2
Rel-Rasco (SMO)	[-0.0041 , 0.0352]	2
CLCC	[0.02605 , 0.0966]	2
APSSC	[0.00835 , 0.05755]	2
SNNRCE	[-0.00665 , 0.02855]	2
ADE-CoForest	[-0.015 , 0.0322]	2

Table 63: Confidence intervals for algorithm Rasco (C45) (α=0.95)

22 Detailed results for Rasco (NB)

22.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	589.0	951.0	-	1
Self-Training (C45)	367.0	1173.0	-	1
Self-Training (NB)	1007.5	532.5	-	0.045914
Self-Training (SMO)	515.0	1025.0	-	1
Co-Training (NN)	587.0	898.0	-	1
Co-Training (C45)	364.0	1176.0	-	1
Co-Training (NB)	576.0	964.0	-	1
Co-Training (SMO)	421.0	1064.0	-	1
Democratic-Co	178.0	1362.0	-	1
SETRED	525.0	960.0	-	1
TriTraining (NN)	650.0	835.0	-	1
TriTraining (C45)	325.5	1214.5	-	1
TriTraining (NB)	528.5	956.5	-	1
TriTraining (SMO)	489.0	1051.0	-	1
DE-TriTraining (NN)	540.0	945.0	-	1
DE-TriTraining (C45)	467.0	1073.0	-	1
DE-TriTraining (NB)	693.5	846.5	-	1
DE-TriTraining (SMO)	546.0	994.0	-	1
CoForest	502.0	1038.0	-	1
Rasco (NN)	811.0	729.0	-	0.728058
Rasco (C45)	514.0	1026.0	-	1
Rasco (SMO)	635.0	905.0	-	1
Co-Bagging (NN)	482.0	1058.0	-	1
Co-Bagging (C45)	469.0	1071.0	-	1
Co-Bagging (NB)	529.5	955.5	-	1
Co-Bagging (SMO)	459.0	1081.0	-	1
Rel-Rasco (NN)	833.0	707.0	-	0.5947
Rel-Rasco (C45)	507.0	1033.0	-	1
Rel-Rasco (NB)	947.0	593.0	-	0.126717
Rel-Rasco (SMO)	682.0	858.0	-	1
CLCC	1080.0	460.0	-	0.009207
APSSC	740.0	800.0	-	1
SNNRCE	587.0	953.0	-	1
ADE-CoForest	612.0	928.0	-	1

Table 64: Results obtained by the Wilcoxon test for algorithm Rasco (NB)

22.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.05145 , 0.00145]	2
Self-Training (C45)	[-0.06195 , -0.0235]	2
Self-Training (NB)	[0.001 , 0.014]	2
Self-Training (SMO)	[-0.06105 , -0.0082]	2
Co-Training (NN)	[-0.0462 , 0.00535]	2
Co-Training (C45)	[-0.0627 , -0.0224]	2
Co-Training (NB)	[-0.01675 , 0]	2
Co-Training (SMO)	[-0.0631 , -0.01415]	2
Democratic-Co	[-0.0638 , -0.0357]	2
SETRED	[-0.0546 , -0.00355]	2
TriTraining (NN)	[-0.04375 , 0.0138]	2
TriTraining (C45)	[-0.068 , -0.02825]	2
TriTraining (NB)	[-0.0116 , -0.00045]	2
TriTraining (SMO)	[-0.05665 , -0.01]	2
DE-TriTraining (NN)	[-0.04445 , -0.00075]	2
DE-TriTraining (C45)	[-0.0475 , -0.01165]	2
DE-TriTraining (NB)	[-0.0094 , 0.00355]	2
DE-TriTraining (SMO)	[-0.0495 , -0.00355]	2
CoForest	[-0.0624 , -0.0113]	2
Rasco (NN)	[-0.02105 , 0.0343]	2
Rasco (C45)	[-0.0498 , -0.00745]	2
Rasco (SMO)	[-0.04085 , 0.00815]	2
Co-Bagging (NN)	[-0.0528 , -0.01105]	2
Co-Bagging (C45)	[-0.05115 , -0.01315]	2
Co-Bagging (NB)	[-0.0125 , -0.0002]	2
Co-Bagging (SMO)	[-0.0645 , -0.0135]	2
Rel-Rasco (NN)	[-0.018 , 0.0373]	2
Rel-Rasco (C45)	[-0.04765 , -0.0066]	2
Rel-Rasco (NB)	[-0.00005 , 0.00315]	2
Rel-Rasco (SMO)	[-0.03395 , 0.013]	2
CLCC	[0.00905 , 0.0383]	2
APSSC	[-0.0257 , 0.02125]	2
SNNRCE	[-0.0477 , 0.0013]	2
ADE-CoForest	[-0.03995 , 0.004]	2

Table 65: Confidence intervals for algorithm Rasco (NB) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.05935 , 0.00915]	2
Self-Training (C45)	[-0.0658 , -0.0199]	2
Self-Training (NB)	[0 , 0.0156]	2
Self-Training (SMO)	[-0.0669 , -0.00375]	2
Co-Training (NN)	[-0.053 , 0.0112]	2
Co-Training (C45)	[-0.06645 , -0.0188]	2
Co-Training (NB)	[-0.0182 , 0.0008]	2
Co-Training (SMO)	[-0.06765 , -0.0091]	2
Democratic-Co	[-0.06815 , -0.03325]	2
SETRED	[-0.06345 , 0.0016]	2
TriTraining (NN)	[-0.0507 , 0.0191]	2
TriTraining (C45)	[-0.0726 , -0.0242]	2
TriTraining (NB)	[-0.0129 , 0.0003]	2
TriTraining (SMO)	[-0.0624 , -0.00565]	2
DE-TriTraining (NN)	[-0.04975 , 0.003]	2
DE-TriTraining (C45)	[-0.0519 , -0.0081]	2
DE-TriTraining (NB)	[-0.01115 , 0.00455]	2
DE-TriTraining (SMO)	[-0.05395 , 0.00055]	2
CoForest	[-0.06905 , -0.00575]	2
Rasco (NN)	[-0.0273 , 0.039]	2
Rasco (C45)	[-0.0536 , -0.00345]	2
Rasco (SMO)	[-0.0473 , 0.01325]	2
Co-Bagging (NN)	[-0.05865 , -0.0071]	2
Co-Bagging (C45)	[-0.0543 , -0.009]	2
Co-Bagging (NB)	[-0.01445 , 0.00015]	2
Co-Bagging (SMO)	[-0.0708 , -0.0081]	2
Rel-Rasco (NN)	[-0.0238 , 0.04265]	2
Rel-Rasco (C45)	[-0.0513 , -0.00225]	2
Rel-Rasco (NB)	[-0.0003 , 0.0035]	2
Rel-Rasco (SMO)	[-0.0397 , 0.01785]	2
CLCC	[0.0059 , 0.0415]	2
APSSC	[-0.0299 , 0.0263]	2
SNNRCE	[-0.0555 , 0.00685]	2
ADE-CoForest	[-0.0445 , 0.00795]	2

Table 66: Confidence intervals for algorithm Rasco (NB) (α=0.95)

23 Detailed results for Rasco (SMO)

23.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	654.0	831.0	-	1
Self-Training (C45)	382.0	1103.0	-	1
Self-Training (NB)	923.0	617.0	-	0.197936
Self-Training (SMO)	413.0	1127.0	-	1
Co-Training (NN)	724.0	816.0	-	1
Co-Training (C45)	430.0	1110.0	-	1
Co-Training (NB)	809.0	731.0	-	0.74068
Co-Training (SMO)	243.5	1241.5	-	1
Democratic-Co	383.5	1156.5	-	1
SETRED	633.5	906.5	-	1
TriTraining (NN)	790.0	750.0	-	0.863626
TriTraining (C45)	370.0	1170.0	-	1
TriTraining (NB)	826.0	714.0	-	0.635936
TriTraining (SMO)	372.0	1113.0	-	1
DE-TriTraining (NN)	668.0	872.0	-	1
DE-TriTraining (C45)	618.0	922.0	-	1
DE-TriTraining (NB)	843.0	697.0	-	0.538011
DE-TriTraining (SMO)	562.0	978.0	-	1
CoForest	561.5	978.5	-	1
Rasco (NN)	1069.5	470.5	-	0.011863
Rasco (C45)	633.0	907.0	-	1
Rasco (NB)	905.0	635.0	-	0.256252
Co-Bagging (NN)	614.5	925.5	-	1
Co-Bagging (C45)	537.5	947.5	-	1
Co-Bagging (NB)	819.0	721.0	-	0.678334
Co-Bagging (SMO)	341.0	1144.0	-	1
Rel-Rasco (NN)	1121.0	419.0	-	0.003197
Rel-Rasco (C45)	642.0	898.0	-	1
Rel-Rasco (NB)	890.0	595.0	-	0.202553
Rel-Rasco (SMO)	760.0	725.0	-	0.87657
CLCC	1089.0	451.0	-	0.00743
APSSC	907.0	633.0	-	0.2493
SNNRCE	674.5	810.5	-	1
ADE-CoForest	756.0	729.0	-	0.90395

Table 67: Results obtained by the Wilcoxon test for algorithm Rasco (SMO)

23.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0233 , 0.0094]	2
Self-Training (C45)	[-0.03995 , -0.0128]	2
Self-Training (NB)	[-0.00615 , 0.04415]	2
Self-Training (SMO)	[-0.0256 , -0.00615]	2
Co-Training (NN)	[-0.02015 , 0.01335]	2
Co-Training (C45)	[-0.03905 , -0.0098]	2
Co-Training (NB)	[-0.0195 , 0.02955]	2
Co-Training (SMO)	[-0.03375 , -0.0123]	2
Democratic-Co	[-0.0452 , -0.01505]	2
SETRED	[-0.0286 , 0.0054]	2
TriTraining (NN)	[-0.0158 , 0.02215]	2
TriTraining (C45)	[-0.0441 , -0.0159]	2
TriTraining (NB)	[-0.01775 , 0.02975]	2
TriTraining (SMO)	[-0.02715 , -0.0053]	2
DE-TriTraining (NN)	[-0.02255 , 0.00805]	2
DE-TriTraining (C45)	[-0.0256 , 0.00445]	2
DE-TriTraining (NB)	[-0.01465 , 0.0341]	2
DE-TriTraining (SMO)	[-0.0224 , -0.00045]	2
CoForest	[-0.03855 , -0.0011]	2
Rasco (NN)	[0.00805 , 0.03555]	2
Rasco (C45)	[-0.0283 , 0.00345]	2
Rasco (NB)	[-0.00815 , 0.04085]	2
Co-Bagging (NN)	[-0.02945 , 0.00195]	2
Co-Bagging (C45)	[-0.0278 , -0.0011]	2
Co-Bagging (NB)	[-0.0167 , 0.03065]	2
Co-Bagging (SMO)	[-0.02915 , -0.00945]	2
Rel-Rasco (NN)	[0.0117 , 0.03805]	2
Rel-Rasco (C45)	[-0.02695 , 0.00565]	2
Rel-Rasco (NB)	[-0.0055 , 0.044]	2
Rel-Rasco (SMO)	[-0.00255 , 0.0039]	2
CLCC	[0.01885 , 0.08555]	2
APSSC	[-0.00625 , 0.0377]	2
SNNRCE	[-0.0236 , 0.01135]	2
ADE-CoForest	[-0.0161 , 0.02025]	2

Table 68: Confidence intervals for algorithm Rasco (SMO) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.02805 , 0.0123]	2
Self-Training (C45)	[-0.04205 , -0.00985]	2
Self-Training (NB)	[-0.01025 , 0.0499]	2
Self-Training (SMO)	[-0.02815 , -0.00445]	2
Co-Training (NN)	[-0.02365 , 0.0176]	2
Co-Training (C45)	[-0.0416 , -0.00725]	2
Co-Training (NB)	[-0.0249 , 0.035]	2
Co-Training (SMO)	[-0.0363 , -0.01055]	2
Democratic-Co	[-0.04885 , -0.01145]	2
SETRED	[-0.0335 , 0.00805]	2
TriTraining (NN)	[-0.02055 , 0.02645]	2
TriTraining (C45)	[-0.04725 , -0.0131]	2
TriTraining (NB)	[-0.023 , 0.03495]	2
TriTraining (SMO)	[-0.0304 , -0.00425]	2
DE-TriTraining (NN)	[-0.02525 , 0.0112]	2
DE-TriTraining (C45)	[-0.0289 , 0.0074]	2
DE-TriTraining (NB)	[-0.02075 , 0.03865]	2
DE-TriTraining (SMO)	[-0.02585 , 0.0013]	2
CoForest	[-0.041 , 0.00205]	2
Rasco (NN)	[0.00485 , 0.03815]	2
Rasco (C45)	[-0.0311 , 0.00635]	2
Rasco (NB)	[-0.01325 , 0.0473]	2
Co-Bagging (NN)	[-0.0315 , 0.00455]	2
Co-Bagging (C45)	[-0.0319 , 0.0017]	2
Co-Bagging (NB)	[-0.0217 , 0.0353]	2
Co-Bagging (SMO)	[-0.032 , -0.0073]	2
Rel-Rasco (NN)	[0.00935 , 0.0409]	2
Rel-Rasco (C45)	[-0.02975 , 0.0086]	2
Rel-Rasco (NB)	[-0.0102 , 0.0499]	2
Rel-Rasco (SMO)	[-0.0033 , 0.00535]	2
CLCC	[0.0136 , 0.0949]	2
APSSC	[-0.01075 , 0.04145]	2
SNNRCE	[-0.0275 , 0.0152]	2
ADE-CoForest	[-0.0197 , 0.02455]	2

Table 69: Confidence intervals for algorithm Rasco (SMO) (α=0.95)

24 Detailed results for Co-Bagging (NN)

24.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	998.0	542.0	-	0.054536
Self-Training (C45)	549.5	935.5	-	1
Self-Training (NB)	1095.0	445.0	-	0.006387
Self-Training (SMO)	663.5	876.5	-	1
Co-Training (NN)	992.5	492.5	-	0.030836
Co-Training (C45)	599.0	941.0	-	1
Co-Training (NB)	954.0	586.0	-	0.121361
Co-Training (SMO)	516.0	969.0	-	1
Democratic-Co	433.0	1052.0	-	1
SETRED	849.0	636.0	-	0.356897
TriTraining (NN)	1174.5	365.5	-	0.000682
TriTraining (C45)	487.0	1053.0	-	1
TriTraining (NB)	986.0	554.0	-	0.069685
TriTraining (SMO)	640.0	900.0	-	1
DE-TriTraining (NN)	1040.0	500.0	-	0.023427
DE-TriTraining (C45)	760.5	779.5	-	1
DE-TriTraining (NB)	978.0	562.0	-	0.08065
DE-TriTraining (SMO)	714.0	771.0	-	1
CoForest	620.0	920.0	-	1
Rasco (NN)	1312.5	227.5	-	0.000005
Rasco (C45)	704.0	836.0	-	1
Rasco (NB)	1058.0	482.0	-	0.01564
Rasco (SMO)	925.5	614.5	-	0.189334
Co-Bagging (C45)	670.0	870.0	-	1
Co-Bagging (NB)	982.5	557.5	-	0.074018
Co-Bagging (SMO)	482.0	1058.0	-	1
Rel-Rasco (NN)	1337.0	203.0	-	0.000002
Rel-Rasco (C45)	720.5	819.5	-	1
Rel-Rasco (NB)	1059.0	481.0	-	0.015177
Rel-Rasco (SMO)	969.0	571.0	-	0.094274
CLCC	1239.0	246.0	-	0.000019
APSSC	1067.5	472.5	-	0.012165
SNNRCE	1081.5	458.5	-	0.008875
ADE-CoForest	848.5	691.5	-	0.505801

Table 70: Results obtained by the Wilcoxon test for algorithm Co-Bagging (NN)

24.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[0.00105 , 0.011]	2
Self-Training (C45)	[-0.0238 , -0.0002]	2
Self-Training (NB)	[0.0127 , 0.05645]	2
Self-Training (SMO)	[-0.0158 , 0.0054]	2
Co-Training (NN)	[0.0022 , 0.01515]	2
Co-Training (C45)	[-0.0239 , 0.00105]	2
Co-Training (NB)	[-0.00125 , 0.0371]	2
Co-Training (SMO)	[-0.02265 , -0.00245]	2
Democratic-Co	[-0.02675 , -0.00575]	2
SETRED	[-0.00215 , 0.0073]	2
TriTraining (NN)	[0.01065 , 0.0249]	2
TriTraining (C45)	[-0.02585 , -0.0055]	2
TriTraining (NB)	[0.00265 , 0.04055]	2
TriTraining (SMO)	[-0.0164 , 0.0048]	2
DE-TriTraining (NN)	[0.0023 , 0.01535]	2
DE-TriTraining (C45)	[-0.0101 , 0.0132]	2
DE-TriTraining (NB)	[0.0014 , 0.04225]	2
DE-TriTraining (SMO)	[-0.00805 , 0.00605]	2
CoForest	[-0.0192 , 0.00305]	2
Rasco (NN)	[0.0191 , 0.03675]	2
Rasco (C45)	[-0.01605 , 0.0097]	2
Rasco (NB)	[0.01105 , 0.0528]	2
Rasco (SMO)	[-0.00195 , 0.02945]	2
Co-Bagging (C45)	[-0.0212 , 0.0071]	2
Co-Bagging (NB)	[0.0016 , 0.0412]	2
Co-Bagging (SMO)	[-0.0218 , -0.005]	2
Rel-Rasco (NN)	[0.02025 , 0.03915]	2
Rel-Rasco (C45)	[-0.01665 , 0.0145]	2
Rel-Rasco (NB)	[0.01065 , 0.05675]	2
Rel-Rasco (SMO)	[0.00045 , 0.03255]	2
CLCC	[0.03075 , 0.0842]	2
APSSC	[0.00875 , 0.045]	2
SNNRCE	[0.0031 , 0.01375]	2
ADE-CoForest	[-0.006 , 0.0166]	2

Table 71: Confidence intervals for algorithm Co-Bagging (NN) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.00005 , 0.01205]	2
Self-Training (C45)	[-0.02665 , 0.00205]	2
Self-Training (NB)	[0.00955 , 0.0616]	2
Self-Training (SMO)	[-0.0184 , 0.0071]	2
Co-Training (NN)	[0.001 , 0.01685]	2
Co-Training (C45)	[-0.02585 , 0.003]	2
Co-Training (NB)	[-0.0046 , 0.04205]	2
Co-Training (SMO)	[-0.0254 , -0.00015]	2
Democratic-Co	[-0.02855 , -0.00385]	2
SETRED	[-0.0035 , 0.00805]	2
TriTraining (NN)	[0.00915 , 0.02615]	2
TriTraining (C45)	[-0.02795 , -0.0034]	2
TriTraining (NB)	[-0.0015 , 0.04595]	2
TriTraining (SMO)	[-0.01895 , 0.00725]	2
DE-TriTraining (NN)	[0.00115 , 0.0167]	2
DE-TriTraining (C45)	[-0.01205 , 0.01535]	2
DE-TriTraining (NB)	[-0.0019 , 0.04705]	2
DE-TriTraining (SMO)	[-0.00925 , 0.00765]	2
CoForest	[-0.02215 , 0.0052]	2
Rasco (NN)	[0.0177 , 0.03905]	2
Rasco (C45)	[-0.0199 , 0.0141]	2
Rasco (NB)	[0.0071 , 0.05865]	2
Rasco (SMO)	[-0.00455 , 0.0315]	2
Co-Bagging (C45)	[-0.0238 , 0.0111]	2
Co-Bagging (NB)	[-0.00195 , 0.04565]	2
Co-Bagging (SMO)	[-0.0235 , -0.0032]	2
Rel-Rasco (NN)	[0.0181 , 0.04065]	2
Rel-Rasco (C45)	[-0.01955 , 0.01815]	2
Rel-Rasco (NB)	[0.007 , 0.0628]	2
Rel-Rasco (SMO)	[-0.00275 , 0.0357]	2
CLCC	[0.02735 , 0.09615]	2
APSSC	[0.00565 , 0.0486]	2
SNNRCE	[0.00225 , 0.0148]	2
ADE-CoForest	[-0.008 , 0.0216]	2

Table 72: Confidence intervals for algorithm Co-Bagging (NN) (α=0.95)

25 Detailed results for Co-Bagging (C45)

25.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	942.5	597.5	-	0.146777
Self-Training (C45)	598.5	886.5	-	1
Self-Training (NB)	1141.0	344.0	-	0.000583
Self-Training (SMO)	793.5	746.5	-	0.840467
Co-Training (NN)	984.5	555.5	-	0.071048
Co-Training (C45)	675.0	810.0	-	1
Co-Training (NB)	1007.0	533.0	-	0.046601
Co-Training (SMO)	658.0	827.0	-	1
Democratic-Co	521.0	964.0	-	1
SETRED	888.0	652.0	-	0.320779
TriTraining (NN)	995.0	545.0	-	0.058579
TriTraining (C45)	460.0	1025.0	-	1
TriTraining (NB)	1035.0	505.0	-	0.026115
TriTraining (SMO)	755.0	730.0	-	0.910781
DE-TriTraining (NN)	908.0	632.0	-	0.245379
DE-TriTraining (C45)	825.0	660.0	-	0.473397
DE-TriTraining (NB)	1043.0	497.0	-	0.021656
DE-TriTraining (SMO)	862.0	678.0	-	0.43833
CoForest	605.0	880.0	-	1
Rasco (NN)	1172.0	368.0	-	0.000736
Rasco (C45)	904.5	635.5	-	0.257513
Rasco (NB)	1071.0	469.0	-	0.011533
Rasco (SMO)	947.5	537.5	-	0.07651
Co-Bagging (NN)	870.0	670.0	-	0.399763
Co-Bagging (NB)	1033.0	507.0	-	0.027101
Co-Bagging (SMO)	758.0	782.0	-	1
Rel-Rasco (NN)	1177.0	308.0	-	0.00018
Rel-Rasco (C45)	923.5	616.5	-	0.196009
Rel-Rasco (NB)	1085.0	455.0	-	0.008207
Rel-Rasco (SMO)	1003.0	537.0	-	0.050178
CLCC	1309.0	231.0	-	0.000006
APSSC	1068.0	472.0	-	0.012384
SNNRCE	955.0	585.0	-	0.120132
ADE-CoForest	895.5	644.5	-	0.291107

Table 73: Results obtained by the Wilcoxon test for algorithm Co-Bagging (C45)

25.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.00195 , 0.03055]	2
Self-Training (C45)	[-0.01085 , 0.0012]	2
Self-Training (NB)	[0.0231 , 0.0577]	2
Self-Training (SMO)	[-0.01245 , 0.0155]	2
Co-Training (NN)	[0.0019 , 0.0324]	2
Co-Training (C45)	[-0.00905 , 0.00365]	2
Co-Training (NB)	[0.0043 , 0.0416]	2
Co-Training (SMO)	[-0.022 , 0.0074]	2
Democratic-Co	[-0.0265 , -0.0017]	2
SETRED	[-0.00625 , 0.0251]	2
TriTraining (NN)	[0.00395 , 0.03985]	2
TriTraining (C45)	[-0.01665 , -0.00245]	2
TriTraining (NB)	[0.00805 , 0.043]	2
TriTraining (SMO)	[-0.01415 , 0.01565]	2
DE-TriTraining (NN)	[-0.00425 , 0.023]	2
DE-TriTraining (C45)	[-0.00585 , 0.01395]	2
DE-TriTraining (NB)	[0.00735 , 0.0416]	2
DE-TriTraining (SMO)	[-0.00795 , 0.0198]	2
CoForest	[-0.01705 , 0.0036]	2
Rasco (NN)	[0.0207 , 0.0558]	2
Rasco (C45)	[-0.0024 , 0.01145]	2
Rasco (NB)	[0.01315 , 0.05115]	2
Rasco (SMO)	[0.0011 , 0.0278]	2
Co-Bagging (NN)	[-0.0071 , 0.0212]	2
Co-Bagging (NB)	[0.00705 , 0.0418]	2
Co-Bagging (SMO)	[-0.01765 , 0.01285]	2
Rel-Rasco (NN)	[0.0272 , 0.05935]	2
Rel-Rasco (C45)	[-0.00125 , 0.0122]	2
Rel-Rasco (NB)	[0.0128 , 0.05215]	2
Rel-Rasco (SMO)	[0.00335 , 0.03395]	2
CLCC	[0.03685 , 0.08325]	2
APSSC	[0.01215 , 0.0543]	2
SNNRCE	[-0.00155 , 0.02945]	2
ADE-CoForest	[-0.0059 , 0.02815]	2

Table 74: Confidence intervals for algorithm Co-Bagging (C45) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.006 , 0.03445]	2
Self-Training (C45)	[-0.01275 , 0.00265]	2
Self-Training (NB)	[0.01995 , 0.06225]	2
Self-Training (SMO)	[-0.01595 , 0.0185]	2
Co-Training (NN)	[-0.0019 , 0.03525]	2
Co-Training (C45)	[-0.0108 , 0.00485]	2
Co-Training (NB)	[0.00065 , 0.04605]	2
Co-Training (SMO)	[-0.025 , 0.01015]	2
Democratic-Co	[-0.0293 , 0.001]	2
SETRED	[-0.0094 , 0.02785]	2
TriTraining (NN)	[-0.0004 , 0.04345]	2
TriTraining (C45)	[-0.019 , -0.00145]	2
TriTraining (NB)	[0.0037 , 0.0467]	2
TriTraining (SMO)	[-0.01885 , 0.0181]	2
DE-TriTraining (NN)	[-0.0071 , 0.02645]	2
DE-TriTraining (C45)	[-0.00775 , 0.01625]	2
DE-TriTraining (NB)	[0.00395 , 0.0453]	2
DE-TriTraining (SMO)	[-0.0105 , 0.02335]	2
CoForest	[-0.0205 , 0.00665]	2
Rasco (NN)	[0.0184 , 0.05955]	2
Rasco (C45)	[-0.0043 , 0.01295]	2
Rasco (NB)	[0.009 , 0.0543]	2
Rasco (SMO)	[-0.0017 , 0.0319]	2
Co-Bagging (NN)	[-0.0111 , 0.0238]	2
Co-Bagging (NB)	[0.00275 , 0.04525]	2
Co-Bagging (SMO)	[-0.01975 , 0.0157]	2
Rel-Rasco (NN)	[0.0243 , 0.06235]	2
Rel-Rasco (C45)	[-0.0024 , 0.01365]	2
Rel-Rasco (NB)	[0.00875 , 0.05715]	2
Rel-Rasco (SMO)	[-0 , 0.03715]	2
CLCC	[0.0333 , 0.0903]	2
APSSC	[0.0084 , 0.05905]	2
SNNRCE	[-0.0045 , 0.0324]	2
ADE-CoForest	[-0.0084 , 0.0334]	2

Table 75: Confidence intervals for algorithm Co-Bagging (C45) (α=0.95)

26 Detailed results for Co-Bagging (NB)

26.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	660.0	880.0	-	1
Self-Training (C45)	388.0	1152.0	-	1
Self-Training (NB)	1297.5	242.5	-	0.000009
Self-Training (SMO)	540.0	1000.0	-	1
Co-Training (NN)	672.0	868.0	-	1
Co-Training (C45)	385.0	1155.0	-	1
Co-Training (NB)	728.5	756.5	-	1
Co-Training (SMO)	493.0	1047.0	-	1
Democratic-Co	150.0	1335.0	-	1
SETRED	614.0	926.0	-	1
TriTraining (NN)	741.0	799.0	-	1
TriTraining (C45)	341.5	1198.5	-	1
TriTraining (NB)	560.0	925.0	-	1
TriTraining (SMO)	507.0	978.0	-	1
DE-TriTraining (NN)	633.5	906.5	-	1
DE-TriTraining (C45)	520.0	1020.0	-	1
DE-TriTraining (NB)	793.5	746.5	-	0.840302
DE-TriTraining (SMO)	621.0	919.0	-	1
CoForest	509.0	1031.0	-	1
Rasco (NN)	873.0	667.0	-	0.385346
Rasco (C45)	525.5	1014.5	-	1
Rasco (NB)	955.5	529.5	-	0.065439
Rasco (SMO)	721.0	819.0	-	1
Co-Bagging (NN)	557.5	982.5	-	1
Co-Bagging (C45)	507.0	1033.0	-	1
Co-Bagging (SMO)	508.0	1032.0	-	1
Rel-Rasco (NN)	894.0	646.0	-	0.296888
Rel-Rasco (C45)	538.0	1002.0	-	1
Rel-Rasco (NB)	1036.5	448.5	-	0.011048
Rel-Rasco (SMO)	764.0	776.0	-	1
CLCC	1176.0	364.0	-	0.00066
APSSC	768.5	771.5	-	1
SNNRCE	656.0	884.0	-	1
ADE-CoForest	642.0	898.0	-	1

Table 76: Results obtained by the Wilcoxon test for algorithm Co-Bagging (NB)

26.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.03965 , 0.00995]	2
Self-Training (C45)	[-0.04985 , -0.0169]	2
Self-Training (NB)	[0.009 , 0.01925]	2
Self-Training (SMO)	[-0.05055 , -0.0041]	2
Co-Training (NN)	[-0.03785 , 0.011]	2
Co-Training (C45)	[-0.0503 , -0.01735]	2
Co-Training (NB)	[-0.00245 , 0.0021]	2
Co-Training (SMO)	[-0.0526 , -0.00775]	2
Democratic-Co	[-0.0514 , -0.02695]	2
SETRED	[-0.04415 , 0.0042]	2
TriTraining (NN)	[-0.0312 , 0.018]	2
TriTraining (C45)	[-0.0549 , -0.0203]	2
TriTraining (NB)	[-0.0039 , 0]	2
TriTraining (SMO)	[-0.0462 , -0.00465]	2
DE-TriTraining (NN)	[-0.0326 , 0.00555]	2
DE-TriTraining (C45)	[-0.0372 , -0.0053]	2
DE-TriTraining (NB)	[-0.0041 , 0.0056]	2
DE-TriTraining (SMO)	[-0.0379 , 0.004]	2
CoForest	[-0.05125 , -0.0087]	2
Rasco (NN)	[-0.01275 , 0.03845]	2
Rasco (C45)	[-0.0411 , -0.0057]	2
Rasco (NB)	[0.0002 , 0.0125]	2
Rasco (SMO)	[-0.03065 , 0.0167]	2
Co-Bagging (NN)	[-0.0412 , -0.0016]	2
Co-Bagging (C45)	[-0.0418 , -0.00705]	2
Co-Bagging (SMO)	[-0.0535 , -0.00835]	2
Rel-Rasco (NN)	[-0.0087 , 0.0414]	2
Rel-Rasco (C45)	[-0.0369 , -0.0029]	2
Rel-Rasco (NB)	[0.0023 , 0.01275]	2
Rel-Rasco (SMO)	[-0.0247 , 0.02085]	2
CLCC	[0.0159 , 0.03965]	2
APSSC	[-0.01905 , 0.0246]	2
SNNRCE	[-0.0347 , 0.00975]	2
ADE-CoForest	[-0.03155 , 0.0073]	2

Table 77: Confidence intervals for algorithm Co-Bagging (NB) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.04545 , 0.0135]	2
Self-Training (C45)	[-0.05295 , -0.0135]	2
Self-Training (NB)	[0.008 , 0.02005]	2
Self-Training (SMO)	[-0.0557 , 0.00015]	2
Co-Training (NN)	[-0.0436 , 0.01625]	2
Co-Training (C45)	[-0.05335 , -0.0146]	2
Co-Training (NB)	[-0.0032 , 0.00265]	2
Co-Training (SMO)	[-0.0586 , -0.0049]	2
Democratic-Co	[-0.054 , -0.02505]	2
SETRED	[-0.04795 , 0.00755]	2
TriTraining (NN)	[-0.03675 , 0.02295]	2
TriTraining (C45)	[-0.05855 , -0.01745]	2
TriTraining (NB)	[-0.0045 , 0.0007]	2
TriTraining (SMO)	[-0.0528 , -0.00055]	2
DE-TriTraining (NN)	[-0.0369 , 0.0095]	2
DE-TriTraining (C45)	[-0.0407 , -0.002]	2
DE-TriTraining (NB)	[-0.00505 , 0.00665]	2
DE-TriTraining (SMO)	[-0.04355 , 0.0089]	2
CoForest	[-0.0567 , -0.0038]	2
Rasco (NN)	[-0.017 , 0.04295]	2
Rasco (C45)	[-0.0449 , -0.00065]	2
Rasco (NB)	[-0.00015 , 0.01445]	2
Rasco (SMO)	[-0.0353 , 0.0217]	2
Co-Bagging (NN)	[-0.04565 , 0.00195]	2
Co-Bagging (C45)	[-0.04525 , -0.00275]	2
Co-Bagging (SMO)	[-0.05895 , -0.004]	2
Rel-Rasco (NN)	[-0.01465 , 0.0476]	2
Rel-Rasco (C45)	[-0.04165 , 0.00005]	2
Rel-Rasco (NB)	[0.0012 , 0.0139]	2
Rel-Rasco (SMO)	[-0.0291 , 0.02505]	2
CLCC	[0.0131 , 0.04235]	2
APSSC	[-0.02275 , 0.03165]	2
SNNRCE	[-0.04055 , 0.0131]	2
ADE-CoForest	[-0.03465 , 0.0115]	2

Table 78: Confidence intervals for algorithm Co-Bagging (NB) (α=0.95)

27 Detailed results for Co-Bagging (SMO)

27.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	1080.0	405.0	-	0.003575
Self-Training (C45)	694.5	845.5	-	1
Self-Training (NB)	1110.0	430.0	-	0.004332
Self-Training (SMO)	967.5	572.5	-	0.096426
Co-Training (NN)	1136.5	403.5	-	0.002038
Co-Training (C45)	712.5	827.5	-	1
Co-Training (NB)	1014.5	525.5	-	0.039889
Co-Training (SMO)	673.5	866.5	-	1
Democratic-Co	683.0	857.0	-	1
SETRED	1008.5	476.5	-	0.021472
TriTraining (NN)	1152.0	333.0	-	0.000409
TriTraining (C45)	667.0	873.0	-	1
TriTraining (NB)	991.0	494.0	-	0.031669
TriTraining (SMO)	933.5	551.5	-	0.098087
DE-TriTraining (NN)	1020.0	465.0	-	0.016217
DE-TriTraining (C45)	912.0	628.0	-	0.2325
DE-TriTraining (NB)	993.0	492.0	-	0.030503
DE-TriTraining (SMO)	973.0	512.0	-	0.046234
CoForest	850.0	690.0	-	0.499111
Rasco (NN)	1319.0	221.0	-	0.000004
Rasco (C45)	817.0	668.0	-	0.518431
Rasco (NB)	1081.0	459.0	-	0.008984
Rasco (SMO)	1144.0	341.0	-	0.000516
Co-Bagging (NN)	1058.0	482.0	-	0.01564
Co-Bagging (C45)	782.0	758.0	-	0.916414
Co-Bagging (NB)	1032.0	508.0	-	0.027852
Rel-Rasco (NN)	1328.5	211.5	-	0.000003
Rel-Rasco (C45)	874.0	666.0	-	0.38127
Rel-Rasco (NB)	1079.0	461.0	-	0.00951
Rel-Rasco (SMO)	1206.0	334.0	-	0.00024
CLCC	1205.5	279.5	-	0.000065
APSSC	1147.0	338.0	-	0.000488
SNNRCE	1128.0	412.0	-	0.002585
ADE-CoForest	1063.0	477.0	-	0.013829

Table 79: Results obtained by the Wilcoxon test for algorithm Co-Bagging (SMO)

27.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[0.00885 , 0.02945]	2
Self-Training (C45)	[-0.01705 , 0.0085]	2
Self-Training (NB)	[0.01785 , 0.06655]	2
Self-Training (SMO)	[0.00005 , 0.0097]	2
Co-Training (NN)	[0.01215 , 0.03715]	2
Co-Training (C45)	[-0.0175 , 0.01075]	2
Co-Training (NB)	[0.00525 , 0.0539]	2
Co-Training (SMO)	[-0.00465 , 0.0015]	2
Democratic-Co	[-0.01975 , 0.0067]	2
SETRED	[0.0047 , 0.02455]	2
TriTraining (NN)	[0.0152 , 0.0412]	2
TriTraining (C45)	[-0.02065 , 0.0059]	2
TriTraining (NB)	[0.00725 , 0.05695]	2
TriTraining (SMO)	[-0.00005 , 0.00795]	2
DE-TriTraining (NN)	[0.0048 , 0.03415]	2
DE-TriTraining (C45)	[-0.004 , 0.0242]	2
DE-TriTraining (NB)	[0.00785 , 0.05635]	2
DE-TriTraining (SMO)	[0.00195 , 0.0148]	2
CoForest	[-0.00835 , 0.02205]	2
Rasco (NN)	[0.0308 , 0.06015]	2
Rasco (C45)	[-0.0094 , 0.0229]	2
Rasco (NB)	[0.0135 , 0.0645]	2
Rasco (SMO)	[0.00945 , 0.02915]	2
Co-Bagging (NN)	[0.005 , 0.0218]	2
Co-Bagging (C45)	[-0.01285 , 0.01765]	2
Co-Bagging (NB)	[0.00835 , 0.0535]	2
Rel-Rasco (NN)	[0.0307 , 0.06215]	2
Rel-Rasco (C45)	[-0.0082 , 0.0259]	2
Rel-Rasco (NB)	[0.016 , 0.06675]	2
Rel-Rasco (SMO)	[0.0132 , 0.03685]	2
CLCC	[0.04 , 0.1039]	2
APSSC	[0.0233 , 0.0645]	2
SNNRCE	[0.01125 , 0.03235]	2
ADE-CoForest	[0.00875 , 0.04075]	2

Table 80: Confidence intervals for algorithm Co-Bagging (SMO) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[0.0066 , 0.03265]	2
Self-Training (C45)	[-0.01975 , 0.0116]	2
Self-Training (NB)	[0.01255 , 0.0723]	2
Self-Training (SMO)	[-0.00045 , 0.011]	2
Co-Training (NN)	[0.0096 , 0.0402]	2
Co-Training (C45)	[-0.02085 , 0.01345]	2
Co-Training (NB)	[0.0013 , 0.05975]	2
Co-Training (SMO)	[-0.0053 , 0.0024]	2
Democratic-Co	[-0.02245 , 0.00855]	2
SETRED	[0.00275 , 0.0274]	2
TriTraining (NN)	[0.01295 , 0.04445]	2
TriTraining (C45)	[-0.0235 , 0.0081]	2
TriTraining (NB)	[0.0044 , 0.06065]	2
TriTraining (SMO)	[-0.00055 , 0.00905]	2
DE-TriTraining (NN)	[0.00305 , 0.03765]	2
DE-TriTraining (C45)	[-0.00635 , 0.0277]	2
DE-TriTraining (NB)	[0.0037 , 0.06185]	2
DE-TriTraining (SMO)	[0.0003 , 0.01695]	2
CoForest	[-0.01035 , 0.02555]	2
Rasco (NN)	[0.02785 , 0.0631]	2
Rasco (C45)	[-0.01165 , 0.02665]	2
Rasco (NB)	[0.0081 , 0.0708]	2
Rasco (SMO)	[0.0073 , 0.032]	2
Co-Bagging (NN)	[0.0032 , 0.0235]	2
Co-Bagging (C45)	[-0.0157 , 0.01975]	2
Co-Bagging (NB)	[0.004 , 0.05895]	2
Rel-Rasco (NN)	[0.0281 , 0.06645]	2
Rel-Rasco (C45)	[-0.01155 , 0.03095]	2
Rel-Rasco (NB)	[0.0104 , 0.0731]	2
Rel-Rasco (SMO)	[0.0112 , 0.0405]	2
CLCC	[0.0341 , 0.1132]	2
APSSC	[0.0188 , 0.0693]	2
SNNRCE	[0.0096 , 0.0351]	2
ADE-CoForest	[0.00525 , 0.0463]	2

Table 81: Confidence intervals for algorithm Co-Bagging (SMO) (α=0.95)

28 Detailed results for Rel-Rasco (NN)

28.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	172.5	1312.5	-	1
Self-Training (C45)	223.0	1317.0	-	1
Self-Training (NB)	739.0	801.0	-	1
Self-Training (SMO)	283.0	1257.0	-	1
Co-Training (NN)	236.0	1249.0	-	1
Co-Training (C45)	204.0	1281.0	-	1
Co-Training (NB)	633.5	906.5	-	1
Co-Training (SMO)	202.0	1338.0	-	1
Democratic-Co	170.5	1369.5	-	1
SETRED	48.5	1436.5	-	1
TriTraining (NN)	548.5	936.5	-	1
TriTraining (C45)	166.0	1374.0	-	1
TriTraining (NB)	644.0	896.0	-	1
TriTraining (SMO)	267.0	1273.0	-	1
DE-TriTraining (NN)	413.0	1127.0	-	1
DE-TriTraining (C45)	347.0	1193.0	-	1
DE-TriTraining (NB)	652.5	887.5	-	1
DE-TriTraining (SMO)	266.0	1274.0	-	1
CoForest	368.0	1172.0	-	1
Rasco (NN)	714.5	770.5	-	1
Rasco (C45)	300.5	1239.5	-	1
Rasco (NB)	707.0	833.0	-	1
Rasco (SMO)	419.0	1121.0	-	1
Co-Bagging (NN)	203.0	1337.0	-	1
Co-Bagging (C45)	308.0	1177.0	-	1
Co-Bagging (NB)	646.0	894.0	-	1
Co-Bagging (SMO)	211.5	1328.5	-	1
Rel-Rasco (C45)	346.0	1194.0	-	1
Rel-Rasco (NB)	723.0	817.0	-	1
Rel-Rasco (SMO)	462.0	1078.0	-	1
CLCC	907.0	633.0	-	0.2493
APSSC	741.5	798.5	-	1
SNNRCE	352.0	1188.0	-	1
ADE-CoForest	484.0	1056.0	-	1

Table 82: Results obtained by the Wilcoxon test for algorithm Rel-Rasco (NN)

28.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.02895 , -0.0114]	2
Self-Training (C45)	[-0.06305 , -0.03495]	2
Self-Training (NB)	[-0.0289 , 0.0229]	2
Self-Training (SMO)	[-0.0563 , -0.0241]	2
Co-Training (NN)	[-0.03015 , -0.0113]	2
Co-Training (C45)	[-0.0623 , -0.03285]	2
Co-Training (NB)	[-0.0453 , 0.0079]	2
Co-Training (SMO)	[-0.0646 , -0.03335]	2
Democratic-Co	[-0.07075 , -0.0355]	2
SETRED	[-0.03115 , -0.01665]	2
TriTraining (NN)	[-0.0254 , -0.00025]	2
TriTraining (C45)	[-0.06675 , -0.04025]	2
TriTraining (NB)	[-0.0422 , 0.0091]	2
TriTraining (SMO)	[-0.05785 , -0.0256]	2
DE-TriTraining (NN)	[-0.03445 , -0.01045]	2
DE-TriTraining (C45)	[-0.04735 , -0.022]	2
DE-TriTraining (NB)	[-0.042 , 0.0095]	2
DE-TriTraining (SMO)	[-0.0432 , -0.023]	2
CoForest	[-0.06295 , -0.0287]	2
Rasco (NN)	[-0.00225 , 0.00165]	2
Rasco (C45)	[-0.04975 , -0.02305]	2
Rasco (NB)	[-0.0373 , 0.018]	2
Rasco (SMO)	[-0.03805 , -0.0117]	2
Co-Bagging (NN)	[-0.03915 , -0.02025]	2
Co-Bagging (C45)	[-0.05935 , -0.0272]	2
Co-Bagging (NB)	[-0.0414 , 0.0087]	2
Co-Bagging (SMO)	[-0.06215 , -0.0307]	2
Rel-Rasco (C45)	[-0.0511 , -0.02245]	2
Rel-Rasco (NB)	[-0.0348 , 0.0213]	2
Rel-Rasco (SMO)	[-0.0352 , -0.0088]	2
CLCC	[-0.009 , 0.0541]	2
APSSC	[-0.0243 , 0.01645]	2
SNNRCE	[-0.0312 , -0.01145]	2
ADE-CoForest	[-0.03975 , -0.00975]	2

Table 83: Confidence intervals for algorithm Rel-Rasco (NN) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.03055 , -0.0106]	2
Self-Training (C45)	[-0.06555 , -0.03225]	2
Self-Training (NB)	[-0.0348 , 0.029]	2
Self-Training (SMO)	[-0.06095 , -0.02115]	2
Co-Training (NN)	[-0.0318 , -0.01015]	2
Co-Training (C45)	[-0.06525 , -0.03085]	2
Co-Training (NB)	[-0.0515 , 0.01325]	2
Co-Training (SMO)	[-0.0682 , -0.03085]	2
Democratic-Co	[-0.07595 , -0.0326]	2
SETRED	[-0.03325 , -0.0152]	2
TriTraining (NN)	[-0.028 , 0.002]	2
TriTraining (C45)	[-0.0703 , -0.03735]	2
TriTraining (NB)	[-0.04795 , 0.01535]	2
TriTraining (SMO)	[-0.0619 , -0.02255]	2
DE-TriTraining (NN)	[-0.0368 , -0.0086]	2
DE-TriTraining (C45)	[-0.0502 , -0.0191]	2
DE-TriTraining (NB)	[-0.048 , 0.0163]	2
DE-TriTraining (SMO)	[-0.0446 , -0.0209]	2
CoForest	[-0.0661 , -0.02335]	2
Rasco (NN)	[-0.003 , 0.0022]	2
Rasco (C45)	[-0.05175 , -0.02065]	2
Rasco (NB)	[-0.04265 , 0.0238]	2
Rasco (SMO)	[-0.0409 , -0.00935]	2
Co-Bagging (NN)	[-0.04065 , -0.0181]	2
Co-Bagging (C45)	[-0.06235 , -0.0243]	2
Co-Bagging (NB)	[-0.0476 , 0.01465]	2
Co-Bagging (SMO)	[-0.06645 , -0.0281]	2
Rel-Rasco (C45)	[-0.05415 , -0.01935]	2
Rel-Rasco (NB)	[-0.03975 , 0.02735]	2
Rel-Rasco (SMO)	[-0.03825 , -0.006]	2
CLCC	[-0.0122 , 0.05915]	2
APSSC	[-0.028 , 0.0208]	2
SNNRCE	[-0.03355 , -0.00995]	2
ADE-CoForest	[-0.04325 , -0.0056]	2

Table 84: Confidence intervals for algorithm Rel-Rasco (NN) (α=0.95)

29 Detailed results for Rel-Rasco (C45)

29.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	879.5	660.5	-	0.356212
Self-Training (C45)	393.5	1146.5	-	1
Self-Training (NB)	1111.0	429.0	-	0.004219
Self-Training (SMO)	719.0	821.0	-	1
Co-Training (NN)	861.0	624.0	-	0.305544
Co-Training (C45)	288.0	1197.0	-	1
Co-Training (NB)	965.5	574.5	-	0.100193
Co-Training (SMO)	648.5	891.5	-	1
Democratic-Co	444.5	1095.5	-	1
SETRED	823.0	717.0	-	0.653971
TriTraining (NN)	930.0	610.0	-	0.178704
TriTraining (C45)	237.0	1303.0	-	1
TriTraining (NB)	972.0	568.0	-	0.089426
TriTraining (SMO)	714.5	825.5	-	1
DE-TriTraining (NN)	825.0	715.0	-	0.641925
DE-TriTraining (C45)	759.0	781.0	-	1
DE-TriTraining (NB)	992.5	547.5	-	0.061432
DE-TriTraining (SMO)	755.0	730.0	-	0.910877
CoForest	546.0	994.0	-	1
Rasco (NN)	1161.0	379.0	-	0.001037
Rasco (C45)	756.5	728.5	-	0.900216
Rasco (NB)	1033.0	507.0	-	0.027101
Rasco (SMO)	898.0	642.0	-	0.28164
Co-Bagging (NN)	819.5	720.5	-	0.674627
Co-Bagging (C45)	616.5	923.5	-	1
Co-Bagging (NB)	1002.0	538.0	-	0.051413
Co-Bagging (SMO)	666.0	874.0	-	1
Rel-Rasco (NN)	1194.0	346.0	-	0.00037
Rel-Rasco (NB)	1038.0	502.0	-	0.024322
Rel-Rasco (SMO)	955.5	584.5	-	0.118363
CLCC	1179.5	360.5	-	0.000584
APSSC	1044.0	496.0	-	0.021453
SNNRCE	900.0	640.0	-	0.273715
ADE-CoForest	773.5	711.5	-	0.785996

Table 85: Results obtained by the Wilcoxon test for algorithm Rel-Rasco (C45)

29.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.00865 , 0.02575]	2
Self-Training (C45)	[-0.01245 , -0.00355]	2
Self-Training (NB)	[0.01715 , 0.05485]	2
Self-Training (SMO)	[-0.023 , 0.01405]	2
Co-Training (NN)	[-0.0076 , 0.02485]	2
Co-Training (C45)	[-0.01525 , -0.00515]	2
Co-Training (NB)	[0.00015 , 0.03775]	2
Co-Training (SMO)	[-0.03135 , 0.005]	2
Democratic-Co	[-0.0226 , -0.0049]	2
SETRED	[-0.0133 , 0.01995]	2
TriTraining (NN)	[-0.0034 , 0.03655]	2
TriTraining (C45)	[-0.0222 , -0.0082]	2
TriTraining (NB)	[0.001 , 0.03945]	2
TriTraining (SMO)	[-0.0242 , 0.01205]	2
DE-TriTraining (NN)	[-0.01245 , 0.0192]	2
DE-TriTraining (C45)	[-0.0075 , 0.00745]	2
DE-TriTraining (NB)	[0.0032 , 0.0394]	2
DE-TriTraining (SMO)	[-0.01375 , 0.01465]	2
CoForest	[-0.02875 , -0.0021]	2
Rasco (NN)	[0.01855 , 0.0506]	2
Rasco (C45)	[-0.0027 , 0.003]	2
Rasco (NB)	[0.0066 , 0.04765]	2
Rasco (SMO)	[-0.00565 , 0.02695]	2
Co-Bagging (NN)	[-0.0145 , 0.01665]	2
Co-Bagging (C45)	[-0.0122 , 0.00125]	2
Co-Bagging (NB)	[0.0029 , 0.0369]	2
Co-Bagging (SMO)	[-0.0259 , 0.0082]	2
Rel-Rasco (NN)	[0.02245 , 0.0511]	2
Rel-Rasco (NB)	[0.00765 , 0.0495]	2
Rel-Rasco (SMO)	[-0.00055 , 0.0321]	2
CLCC	[0.02605 , 0.08415]	2
APSSC	[0.00935 , 0.05165]	2
SNNRCE	[-0.00585 , 0.024]	2
ADE-CoForest	[-0.01375 , 0.02195]	2

Table 86: Confidence intervals for algorithm Rel-Rasco (C45) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0131 , 0.0289]	2
Self-Training (C45)	[-0.0141 , -0.0027]	2
Self-Training (NB)	[0.0137 , 0.0595]	2
Self-Training (SMO)	[-0.0267 , 0.01765]	2
Co-Training (NN)	[-0.012 , 0.0279]	2
Co-Training (C45)	[-0.01685 , -0.00415]	2
Co-Training (NB)	[-0.0038 , 0.04135]	2
Co-Training (SMO)	[-0.03465 , 0.0079]	2
Democratic-Co	[-0.02485 , -0.0034]	2
SETRED	[-0.0176 , 0.02275]	2
TriTraining (NN)	[-0.00845 , 0.04025]	2
TriTraining (C45)	[-0.0242 , -0.00665]	2
TriTraining (NB)	[-0.0025 , 0.04275]	2
TriTraining (SMO)	[-0.0289 , 0.0155]	2
DE-TriTraining (NN)	[-0.0157 , 0.0226]	2
DE-TriTraining (C45)	[-0.00895 , 0.0092]	2
DE-TriTraining (NB)	[-0.0011 , 0.04385]	2
DE-TriTraining (SMO)	[-0.01705 , 0.0173]	2
CoForest	[-0.0313 , 0.00095]	2
Rasco (NN)	[0.0146 , 0.0535]	2
Rasco (C45)	[-0.00385 , 0.00355]	2
Rasco (NB)	[0.00225 , 0.0513]	2
Rasco (SMO)	[-0.0086 , 0.02975]	2
Co-Bagging (NN)	[-0.01815 , 0.01955]	2
Co-Bagging (C45)	[-0.01365 , 0.0024]	2
Co-Bagging (NB)	[-0.00005 , 0.04165]	2
Co-Bagging (SMO)	[-0.03095 , 0.01155]	2
Rel-Rasco (NN)	[0.01935 , 0.05415]	2
Rel-Rasco (NB)	[0.00365 , 0.054]	2
Rel-Rasco (SMO)	[-0.0049 , 0.03475]	2
CLCC	[0.0224 , 0.0909]	2
APSSC	[0.0065 , 0.05645]	2
SNNRCE	[-0.00945 , 0.02705]	2
ADE-CoForest	[-0.0167 , 0.02715]	2

Table 87: Confidence intervals for algorithm Rel-Rasco (C45) (α=0.95)

30 Detailed results for Rel-Rasco (NB)

30.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	584.0	956.0	-	1
Self-Training (C45)	339.0	1201.0	-	1
Self-Training (NB)	909.5	575.5	-	0.149243
Self-Training (SMO)	485.0	1055.0	-	1
Co-Training (NN)	604.0	936.0	-	1
Co-Training (C45)	351.0	1189.0	-	1
Co-Training (NB)	490.0	1050.0	-	1
Co-Training (SMO)	420.0	1120.0	-	1
Democratic-Co	155.0	1385.0	-	1
SETRED	521.0	964.0	-	1
TriTraining (NN)	672.0	868.0	-	1
TriTraining (C45)	298.5	1241.5	-	1
TriTraining (NB)	482.5	1002.5	-	1
TriTraining (SMO)	468.0	1072.0	-	1
DE-TriTraining (NN)	555.5	984.5	-	1
DE-TriTraining (C45)	465.5	1074.5	-	1
DE-TriTraining (NB)	658.0	882.0	-	1
DE-TriTraining (SMO)	548.5	991.5	-	1
CoForest	485.0	1055.0	-	1
Rasco (NN)	792.0	748.0	-	0.850316
Rasco (C45)	501.0	1039.0	-	1
Rasco (NB)	593.0	947.0	-	1
Rasco (SMO)	595.0	890.0	-	1
Co-Bagging (NN)	481.0	1059.0	-	1
Co-Bagging (C45)	455.0	1085.0	-	1
Co-Bagging (NB)	448.5	1036.5	-	1
Co-Bagging (SMO)	461.0	1079.0	-	1
Rel-Rasco (NN)	817.0	723.0	-	0.690644
Rel-Rasco (C45)	502.0	1038.0	-	1
Rel-Rasco (SMO)	672.0	868.0	-	1
CLCC	1090.0	450.0	-	0.007185
APSSC	690.0	795.0	-	1
SNNRCE	584.5	955.5	-	1
ADE-CoForest	584.0	956.0	-	1

Table 88: Results obtained by the Wilcoxon test for algorithm Rel-Rasco (NB)

30.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0553 , 0.0022]	2
Self-Training (C45)	[-0.06315 , -0.0246]	2
Self-Training (NB)	[-0.0005 , 0.0123]	2
Self-Training (SMO)	[-0.0639 , -0.01295]	2
Co-Training (NN)	[-0.04855 , 0.0033]	2
Co-Training (C45)	[-0.06465 , -0.02395]	2
Co-Training (NB)	[-0.01785 , -0.0013]	2
Co-Training (SMO)	[-0.06615 , -0.01845]	2
Democratic-Co	[-0.067 , -0.03615]	2
SETRED	[-0.0598 , -0.0035]	2
TriTraining (NN)	[-0.0476 , 0.0131]	2
TriTraining (C45)	[-0.0691 , -0.02865]	2
TriTraining (NB)	[-0.01445 , -0.00115]	2
TriTraining (SMO)	[-0.0603 , -0.01285]	2
DE-TriTraining (NN)	[-0.0502 , -0.002]	2
DE-TriTraining (C45)	[-0.04765 , -0.01235]	2
DE-TriTraining (NB)	[-0.01125 , 0.00245]	2
DE-TriTraining (SMO)	[-0.0527 , -0.00395]	2
CoForest	[-0.06645 , -0.01195]	2
Rasco (NN)	[-0.02395 , 0.0318]	2
Rasco (C45)	[-0.052 , -0.00985]	2
Rasco (NB)	[-0.00315 , 0.00005]	2
Rasco (SMO)	[-0.044 , 0.0055]	2
Co-Bagging (NN)	[-0.05675 , -0.01065]	2
Co-Bagging (C45)	[-0.05215 , -0.0128]	2
Co-Bagging (NB)	[-0.01275 , -0.0023]	2
Co-Bagging (SMO)	[-0.06675 , -0.016]	2
Rel-Rasco (NN)	[-0.0213 , 0.0348]	2
Rel-Rasco (C45)	[-0.0495 , -0.00765]	2
Rel-Rasco (SMO)	[-0.0386 , 0.0105]	2
CLCC	[0.0093 , 0.03475]	2
APSSC	[-0.027 , 0.01765]	2
SNNRCE	[-0.05005 , 0.00095]	2
ADE-CoForest	[-0.04255 , 0.00165]	2

Table 89: Confidence intervals for algorithm Rel-Rasco (NB) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.06175 , 0.007]	2
Self-Training (C45)	[-0.06725 , -0.02165]	2
Self-Training (NB)	[-0.002 , 0.0142]	2
Self-Training (SMO)	[-0.07155 , -0.007]	2
Co-Training (NN)	[-0.0553 , 0.0086]	2
Co-Training (C45)	[-0.06845 , -0.0204]	2
Co-Training (NB)	[-0.0189 , -0.0008]	2
Co-Training (SMO)	[-0.0719 , -0.0142]	2
Democratic-Co	[-0.0704 , -0.03365]	2
SETRED	[-0.06555 , 0.00145]	2
TriTraining (NN)	[-0.05375 , 0.01805]	2
TriTraining (C45)	[-0.07345 , -0.02585]	2
TriTraining (NB)	[-0.01625 , -0.00035]	2
TriTraining (SMO)	[-0.06505 , -0.00955]	2
DE-TriTraining (NN)	[-0.0563 , 0.0023]	2
DE-TriTraining (C45)	[-0.05415 , -0.0088]	2
DE-TriTraining (NB)	[-0.01295 , 0.0037]	2
DE-TriTraining (SMO)	[-0.059 , 0.0008]	2
CoForest	[-0.07095 , -0.00755]	2
Rasco (NN)	[-0.02965 , 0.037]	2
Rasco (C45)	[-0.05745 , -0.00505]	2
Rasco (NB)	[-0.0035 , 0.0003]	2
Rasco (SMO)	[-0.0499 , 0.0102]	2
Co-Bagging (NN)	[-0.0628 , -0.007]	2
Co-Bagging (C45)	[-0.05715 , -0.00875]	2
Co-Bagging (NB)	[-0.0139 , -0.0012]	2
Co-Bagging (SMO)	[-0.0731 , -0.0104]	2
Rel-Rasco (NN)	[-0.02735 , 0.03975]	2
Rel-Rasco (C45)	[-0.054 , -0.00365]	2
Rel-Rasco (SMO)	[-0.04325 , 0.01495]	2
CLCC	[0.00675 , 0.0374]	2
APSSC	[-0.03175 , 0.02325]	2
SNNRCE	[-0.059 , 0.0065]	2
ADE-CoForest	[-0.0472 , 0.0055]	2

Table 90: Confidence intervals for algorithm Rel-Rasco (NB) (α=0.95)

31 Detailed results for Rel-Rasco (SMO)

31.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	668.5	871.5	-	1
Self-Training (C45)	406.0	1134.0	-	1
Self-Training (NB)	888.0	652.0	-	0.320779
Self-Training (SMO)	377.5	1107.5	-	1
Co-Training (NN)	677.0	863.0	-	1
Co-Training (C45)	412.5	1127.5	-	1
Co-Training (NB)	748.0	792.0	-	1
Co-Training (SMO)	232.0	1253.0	-	1
Democratic-Co	343.0	1197.0	-	1
SETRED	613.5	926.5	-	1
TriTraining (NN)	778.5	761.5	-	0.939828
TriTraining (C45)	364.5	1175.5	-	1
TriTraining (NB)	765.0	775.0	-	1
TriTraining (SMO)	397.0	1088.0	-	1
DE-TriTraining (NN)	650.5	889.5	-	1
DE-TriTraining (C45)	579.0	961.0	-	1
DE-TriTraining (NB)	805.0	735.0	-	0.766132
DE-TriTraining (SMO)	533.5	1006.5	-	1
CoForest	538.5	946.5	-	1
Rasco (NN)	1057.0	483.0	-	0.016004
Rasco (C45)	595.5	944.5	-	1
Rasco (NB)	858.0	682.0	-	0.458389
Rasco (SMO)	725.0	760.0	-	1
Co-Bagging (NN)	571.0	969.0	-	1
Co-Bagging (C45)	537.0	1003.0	-	1
Co-Bagging (NB)	776.0	764.0	-	0.956568
Co-Bagging (SMO)	334.0	1206.0	-	1
Rel-Rasco (NN)	1078.0	462.0	-	0.009744
Rel-Rasco (C45)	584.5	955.5	-	1
Rel-Rasco (NB)	868.0	672.0	-	0.409209
CLCC	1025.0	460.0	-	0.014822
APSSC	888.0	652.0	-	0.320272
SNNRCE	701.5	838.5	-	1
ADE-CoForest	762.0	778.0	-	1

Table 91: Results obtained by the Wilcoxon test for algorithm Rel-Rasco (SMO)

31.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0274 , 0.0079]	2
Self-Training (C45)	[-0.0444 , -0.014]	2
Self-Training (NB)	[-0.00885 , 0.03865]	2
Self-Training (SMO)	[-0.028 , -0.00775]	2
Co-Training (NN)	[-0.02395 , 0.01]	2
Co-Training (C45)	[-0.04395 , -0.01255]	2
Co-Training (NB)	[-0.0237 , 0.0232]	2
Co-Training (SMO)	[-0.03515 , -0.0143]	2
Democratic-Co	[-0.0502 , -0.0183]	2
SETRED	[-0.03205 , 0.00345]	2
TriTraining (NN)	[-0.01885 , 0.0195]	2
TriTraining (C45)	[-0.04885 , -0.0185]	2
TriTraining (NB)	[-0.0226 , 0.0244]	2
TriTraining (SMO)	[-0.02815 , -0.0068]	2
DE-TriTraining (NN)	[-0.0256 , 0.00575]	2
DE-TriTraining (C45)	[-0.0323 , 0.00035]	2
DE-TriTraining (NB)	[-0.02015 , 0.02855]	2
DE-TriTraining (SMO)	[-0.0271 , -0.0023]	2
CoForest	[-0.0427 , -0.003]	2
Rasco (NN)	[0.00665 , 0.0343]	2
Rasco (C45)	[-0.03255 , 0.0017]	2
Rasco (NB)	[-0.013 , 0.03395]	2
Rasco (SMO)	[-0.0039 , 0.00255]	2
Co-Bagging (NN)	[-0.03255 , -0.00045]	2
Co-Bagging (C45)	[-0.03395 , -0.00335]	2
Co-Bagging (NB)	[-0.02085 , 0.0247]	2
Co-Bagging (SMO)	[-0.03685 , -0.0132]	2
Rel-Rasco (NN)	[0.0088 , 0.0352]	2
Rel-Rasco (C45)	[-0.0321 , 0.00055]	2
Rel-Rasco (NB)	[-0.0105 , 0.0386]	2
CLCC	[0.0159 , 0.07965]	2
APSSC	[-0.00725 , 0.0362]	2
SNNRCE	[-0.0276 , 0.00895]	2
ADE-CoForest	[-0.0228 , 0.0177]	2

Table 92: Confidence intervals for algorithm Rel-Rasco (SMO) (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.03225 , 0.0121]	2
Self-Training (C45)	[-0.04795 , -0.0115]	2
Self-Training (NB)	[-0.01315 , 0.04405]	2
Self-Training (SMO)	[-0.0297 , -0.006]	2
Co-Training (NN)	[-0.0271 , 0.0129]	2
Co-Training (C45)	[-0.04725 , -0.0092]	2
Co-Training (NB)	[-0.02865 , 0.02885]	2
Co-Training (SMO)	[-0.0391 , -0.01225]	2
Democratic-Co	[-0.0538 , -0.0156]	2
SETRED	[-0.037 , 0.00605]	2
TriTraining (NN)	[-0.02445 , 0.0234]	2
TriTraining (C45)	[-0.05275 , -0.0155]	2
TriTraining (NB)	[-0.027 , 0.0297]	2
TriTraining (SMO)	[-0.03055 , -0.00525]	2
DE-TriTraining (NN)	[-0.0289 , 0.0101]	2
DE-TriTraining (C45)	[-0.03505 , 0.00435]	2
DE-TriTraining (NB)	[-0.02515 , 0.0334]	2
DE-TriTraining (SMO)	[-0.03045 , -0.0001]	2
CoForest	[-0.04685 , 0.0028]	2
Rasco (NN)	[0.00385 , 0.03705]	2
Rasco (C45)	[-0.0352 , 0.0041]	2
Rasco (NB)	[-0.01785 , 0.0397]	2
Rasco (SMO)	[-0.00535 , 0.0033]	2
Co-Bagging (NN)	[-0.0357 , 0.00275]	2
Co-Bagging (C45)	[-0.03715 , 0]	2
Co-Bagging (NB)	[-0.02505 , 0.0291]	2
Co-Bagging (SMO)	[-0.0405 , -0.0112]	2
Rel-Rasco (NN)	[0.006 , 0.03825]	2
Rel-Rasco (C45)	[-0.03475 , 0.0049]	2
Rel-Rasco (NB)	[-0.01495 , 0.04325]	2
CLCC	[0.0093 , 0.0889]	2
APSSC	[-0.01235 , 0.0394]	2
SNNRCE	[-0.0322 , 0.01175]	2
ADE-CoForest	[-0.02685 , 0.0227]	2

Table 93: Confidence intervals for algorithm Rel-Rasco (SMO) (α=0.95)

32 Detailed results for CLCC

32.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	368.0	1172.0	-	1
Self-Training (C45)	205.0	1335.0	-	1
Self-Training (NB)	545.0	995.0	-	1
Self-Training (SMO)	323.0	1217.0	-	1
Co-Training (NN)	429.5	1110.5	-	1
Co-Training (C45)	195.0	1345.0	-	1
Co-Training (NB)	359.5	1180.5	-	1
Co-Training (SMO)	288.0	1252.0	-	1
Democratic-Co	120.0	1420.0	-	1
SETRED	322.0	1218.0	-	1
TriTraining (NN)	469.0	1071.0	-	1
TriTraining (C45)	185.0	1355.0	-	1
TriTraining (NB)	402.5	1137.5	-	1
TriTraining (SMO)	302.0	1183.0	-	1
DE-TriTraining (NN)	278.0	1207.0	-	1
DE-TriTraining (C45)	234.0	1306.0	-	1
DE-TriTraining (NB)	353.0	1187.0	-	1
DE-TriTraining (SMO)	301.0	1184.0	-	1
CoForest	232.0	1308.0	-	1
Rasco (NN)	586.5	953.5	-	1
Rasco (C45)	337.0	1148.0	-	1
Rasco (NB)	460.0	1080.0	-	1
Rasco (SMO)	451.0	1089.0	-	1
Co-Bagging (NN)	246.0	1239.0	-	1
Co-Bagging (C45)	231.0	1309.0	-	1
Co-Bagging (NB)	364.0	1176.0	-	1
Co-Bagging (SMO)	279.5	1205.5	-	1
Rel-Rasco (NN)	633.0	907.0	-	1
Rel-Rasco (C45)	360.5	1179.5	-	1
Rel-Rasco (NB)	450.0	1090.0	-	1
Rel-Rasco (SMO)	460.0	1025.0	-	1
APSSC	461.0	1024.0	-	1
SNNRCE	323.0	1162.0	-	1
ADE-CoForest	273.0	1267.0	-	1

Table 94: Results obtained by the Wilcoxon test for algorithm CLCC

32.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0866 , -0.02405]	2
Self-Training (C45)	[-0.09555 , -0.04165]	2
Self-Training (NB)	[-0.03025 , -0.0024]	2
Self-Training (SMO)	[-0.1016 , -0.03845]	2
Co-Training (NN)	[-0.0813 , -0.0188]	2
Co-Training (C45)	[-0.09705 , -0.0402]	2
Co-Training (NB)	[-0.04595 , -0.01865]	2
Co-Training (SMO)	[-0.10785 , -0.0431]	2
Democratic-Co	[-0.10575 , -0.04905]	2
SETRED	[-0.08815 , -0.0292]	2
TriTraining (NN)	[-0.06865 , -0.0135]	2
TriTraining (C45)	[-0.1025 , -0.0487]	2
TriTraining (NB)	[-0.04335 , -0.016]	2
TriTraining (SMO)	[-0.0973 , -0.03665]	2
DE-TriTraining (NN)	[-0.06675 , -0.02245]	2
DE-TriTraining (C45)	[-0.07285 , -0.02735]	2
DE-TriTraining (NB)	[-0.03835 , -0.01645]	2
DE-TriTraining (SMO)	[-0.0769 , -0.02535]	2
CoForest	[-0.07885 , -0.0303]	2
Rasco (NN)	[-0.0562 , 0.00175]	2
Rasco (C45)	[-0.0883 , -0.0301]	2
Rasco (NB)	[-0.0383 , -0.00905]	2
Rasco (SMO)	[-0.08555 , -0.01885]	2
Co-Bagging (NN)	[-0.0842 , -0.03075]	2
Co-Bagging (C45)	[-0.08325 , -0.03685]	2
Co-Bagging (NB)	[-0.03965 , -0.0159]	2
Co-Bagging (SMO)	[-0.1039 , -0.04]	2
Rel-Rasco (NN)	[-0.0541 , 0.009]	2
Rel-Rasco (C45)	[-0.08415 , -0.02605]	2
Rel-Rasco (NB)	[-0.03475 , -0.0093]	2
Rel-Rasco (SMO)	[-0.07965 , -0.0159]	2
APSSC	[-0.06105 , -0.0116]	2
SNNRCE	[-0.0765 , -0.01965]	2
ADE-CoForest	[-0.04815 , -0.0203]	2

Table 95: Confidence intervals for algorithm CLCC (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.09255 , -0.0186]	2
Self-Training (C45)	[-0.10065 , -0.03805]	2
Self-Training (NB)	[-0.03465 , 0.00065]	2
Self-Training (SMO)	[-0.10995 , -0.0332]	2
Co-Training (NN)	[-0.08955 , -0.0141]	2
Co-Training (C45)	[-0.10575 , -0.0371]	2
Co-Training (NB)	[-0.04965 , -0.0157]	2
Co-Training (SMO)	[-0.11415 , -0.0377]	2
Democratic-Co	[-0.1153 , -0.0453]	2
SETRED	[-0.0943 , -0.02395]	2
TriTraining (NN)	[-0.07675 , -0.00895]	2
TriTraining (C45)	[-0.10975 , -0.04335]	2
TriTraining (NB)	[-0.0466 , -0.01245]	2
TriTraining (SMO)	[-0.10745 , -0.03165]	2
DE-TriTraining (NN)	[-0.07615 , -0.0183]	2
DE-TriTraining (C45)	[-0.0821 , -0.0238]	2
DE-TriTraining (NB)	[-0.04145 , -0.01485]	2
DE-TriTraining (SMO)	[-0.0867 , -0.02115]	2
CoForest	[-0.08695 , -0.0263]	2
Rasco (NN)	[-0.0646 , 0.0097]	2
Rasco (C45)	[-0.0966 , -0.02605]	2
Rasco (NB)	[-0.0415 , -0.0059]	2
Rasco (SMO)	[-0.0949 , -0.0136]	2
Co-Bagging (NN)	[-0.09615 , -0.02735]	2
Co-Bagging (C45)	[-0.0903 , -0.0333]	2
Co-Bagging (NB)	[-0.04235 , -0.0131]	2
Co-Bagging (SMO)	[-0.1132 , -0.0341]	2
Rel-Rasco (NN)	[-0.05915 , 0.0122]	2
Rel-Rasco (C45)	[-0.0909 , -0.0224]	2
Rel-Rasco (NB)	[-0.0374 , -0.00675]	2
Rel-Rasco (SMO)	[-0.0889 , -0.0093]	2
APSSC	[-0.06725 , -0.0083]	2
SNNRCE	[-0.0841 , -0.01665]	2
ADE-CoForest	[-0.0522 , -0.01795]	2

Table 96: Confidence intervals for algorithm CLCC (α=0.95)

33 Detailed results for APSSC

33.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	495.5	989.5	-	1
Self-Training (C45)	377.0	1163.0	-	1
Self-Training (NB)	869.0	671.0	-	0.404469
Self-Training (SMO)	456.0	1084.0	-	1
Co-Training (NN)	552.5	987.5	-	1
Co-Training (C45)	377.0	1163.0	-	1
Co-Training (NB)	699.0	786.0	-	1
Co-Training (SMO)	356.5	1128.5	-	1
Democratic-Co	266.0	1274.0	-	1
SETRED	462.0	1078.0	-	1
TriTraining (NN)	644.0	896.0	-	1
TriTraining (C45)	345.0	1195.0	-	1
TriTraining (NB)	750.0	790.0	-	1
TriTraining (SMO)	433.0	1107.0	-	1
DE-TriTraining (NN)	584.5	955.5	-	1
DE-TriTraining (C45)	472.0	1068.0	-	1
DE-TriTraining (NB)	719.0	766.0	-	1
DE-TriTraining (SMO)	437.0	1103.0	-	1
CoForest	558.0	982.0	-	1
Rasco (NN)	790.0	750.0	-	0.8632
Rasco (C45)	485.0	1055.0	-	1
Rasco (NB)	800.0	740.0	-	0.798095
Rasco (SMO)	633.0	907.0	-	1
Co-Bagging (NN)	472.5	1067.5	-	1
Co-Bagging (C45)	472.0	1068.0	-	1
Co-Bagging (NB)	771.5	768.5	-	0.986602
Co-Bagging (SMO)	338.0	1147.0	-	1
Rel-Rasco (NN)	798.5	741.5	-	0.807032
Rel-Rasco (C45)	496.0	1044.0	-	1
Rel-Rasco (NB)	795.0	690.0	-	0.648144
Rel-Rasco (SMO)	652.0	888.0	-	1
CLCC	1024.0	461.0	-	0.014961
SNNRCE	525.0	960.0	-	1
ADE-CoForest	647.0	893.0	-	1

Table 97: Results obtained by the Wilcoxon test for algorithm APSSC

33.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0406 , -0.00405]	2
Self-Training (C45)	[-0.05835 , -0.02235]	2
Self-Training (NB)	[-0.01285 , 0.02995]	2
Self-Training (SMO)	[-0.0554 , -0.012]	2
Co-Training (NN)	[-0.04035 , -0.0021]	2
Co-Training (C45)	[-0.0595 , -0.02245]	2
Co-Training (NB)	[-0.02565 , 0.01465]	2
Co-Training (SMO)	[-0.0687 , -0.0213]	2
Democratic-Co	[-0.06255 , -0.03015]	2
SETRED	[-0.0467 , -0.00865]	2
TriTraining (NN)	[-0.0314 , 0.007]	2
TriTraining (C45)	[-0.06505 , -0.0254]	2
TriTraining (NB)	[-0.02435 , 0.0168]	2
TriTraining (SMO)	[-0.0588 , -0.0157]	2
DE-TriTraining (NN)	[-0.03405 , 0.00055]	2
DE-TriTraining (C45)	[-0.0503 , -0.01055]	2
DE-TriTraining (NB)	[-0.026 , 0.0196]	2
DE-TriTraining (SMO)	[-0.0518 , -0.01315]	2
CoForest	[-0.0509 , -0.0021]	2
Rasco (NN)	[-0.01775 , 0.0212]	2
Rasco (C45)	[-0.05365 , -0.0128]	2
Rasco (NB)	[-0.02125 , 0.0257]	2
Rasco (SMO)	[-0.0377 , 0.00625]	2
Co-Bagging (NN)	[-0.045 , -0.00875]	2
Co-Bagging (C45)	[-0.0543 , -0.01215]	2
Co-Bagging (NB)	[-0.0246 , 0.01905]	2
Co-Bagging (SMO)	[-0.0645 , -0.0233]	2
Rel-Rasco (NN)	[-0.01645 , 0.0243]	2
Rel-Rasco (C45)	[-0.05165 , -0.00935]	2
Rel-Rasco (NB)	[-0.01765 , 0.027]	2
Rel-Rasco (SMO)	[-0.0362 , 0.00725]	2
CLCC	[0.0116 , 0.06105]	2
SNNRCE	[-0.03415 , -0.00225]	2
ADE-CoForest	[-0.03565 , 0.0089]	2

Table 98: Confidence intervals for algorithm APSSC (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.04455 , -0.00175]	2
Self-Training (C45)	[-0.06385 , -0.0186]	2
Self-Training (NB)	[-0.01715 , 0.0337]	2
Self-Training (SMO)	[-0.0602 , -0.00615]	2
Co-Training (NN)	[-0.0437 , 0.0008]	2
Co-Training (C45)	[-0.06495 , -0.01735]	2
Co-Training (NB)	[-0.03095 , 0.018]	2
Co-Training (SMO)	[-0.07215 , -0.01615]	2
Democratic-Co	[-0.06645 , -0.0268]	2
SETRED	[-0.0498 , -0.00595]	2
TriTraining (NN)	[-0.0345 , 0.01005]	2
TriTraining (C45)	[-0.06995 , -0.02145]	2
TriTraining (NB)	[-0.03065 , 0.02095]	2
TriTraining (SMO)	[-0.0624 , -0.01125]	2
DE-TriTraining (NN)	[-0.03765 , 0.0039]	2
DE-TriTraining (C45)	[-0.0539 , -0.00695]	2
DE-TriTraining (NB)	[-0.0323 , 0.02455]	2
DE-TriTraining (SMO)	[-0.057 , -0.0085]	2
CoForest	[-0.05535 , 0.002]	2
Rasco (NN)	[-0.02145 , 0.02595]	2
Rasco (C45)	[-0.05755 , -0.00835]	2
Rasco (NB)	[-0.0263 , 0.0299]	2
Rasco (SMO)	[-0.04145 , 0.01075]	2
Co-Bagging (NN)	[-0.0486 , -0.00565]	2
Co-Bagging (C45)	[-0.05905 , -0.0084]	2
Co-Bagging (NB)	[-0.03165 , 0.02275]	2
Co-Bagging (SMO)	[-0.0693 , -0.0188]	2
Rel-Rasco (NN)	[-0.0208 , 0.028]	2
Rel-Rasco (C45)	[-0.05645 , -0.0065]	2
Rel-Rasco (NB)	[-0.02325 , 0.03175]	2
Rel-Rasco (SMO)	[-0.0394 , 0.01235]	2
CLCC	[0.0083 , 0.06725]	2
SNNRCE	[-0.0382 , 0.0012]	2
ADE-CoForest	[-0.0393 , 0.0176]	2

Table 99: Confidence intervals for algorithm APSSC (α=0.95)

34 Detailed results for SNNRCE

34.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	655.5	884.5	-	1
Self-Training (C45)	482.0	1058.0	-	1
Self-Training (NB)	987.5	552.5	-	0.067484
Self-Training (SMO)	553.0	987.0	-	1
Co-Training (NN)	739.5	800.5	-	1
Co-Training (C45)	493.0	1047.0	-	1
Co-Training (NB)	862.0	678.0	-	0.43833
Co-Training (SMO)	437.0	1103.0	-	1
Democratic-Co	326.5	1158.5	-	1
SETRED	504.5	1035.5	-	1
TriTraining (NN)	1000.0	540.0	-	0.053451
TriTraining (C45)	410.0	1130.0	-	1
TriTraining (NB)	891.0	649.0	-	0.308681
TriTraining (SMO)	554.5	985.5	-	1
DE-TriTraining (NN)	775.0	765.0	-	0.963245
DE-TriTraining (C45)	628.5	911.5	-	1
DE-TriTraining (NB)	881.0	659.0	-	0.349692
DE-TriTraining (SMO)	507.0	1033.0	-	1
CoForest	553.5	986.5	-	1
Rasco (NN)	1188.5	351.5	-	0.000435
Rasco (C45)	621.5	918.5	-	1
Rasco (NB)	953.0	587.0	-	0.123786
Rasco (SMO)	810.5	674.5	-	0.554899
Co-Bagging (NN)	458.5	1081.5	-	1
Co-Bagging (C45)	585.0	955.0	-	1
Co-Bagging (NB)	884.0	656.0	-	0.336879
Co-Bagging (SMO)	412.0	1128.0	-	1
Rel-Rasco (NN)	1188.0	352.0	-	0.000442
Rel-Rasco (C45)	640.0	900.0	-	1
Rel-Rasco (NB)	955.5	584.5	-	0.119136
Rel-Rasco (SMO)	838.5	701.5	-	0.562774
CLCC	1162.0	323.0	-	0.00029
APSSC	960.0	525.0	-	0.060514
ADE-CoForest	723.5	816.5	-	1

Table 100: Results obtained by the Wilcoxon test for algorithm SNNRCE

34.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.00685 , 0.00195]	2
Self-Training (C45)	[-0.03205 , -0.00655]	2
Self-Training (NB)	[0.002 , 0.0476]	2
Self-Training (SMO)	[-0.026 , -0.0014]	2
Co-Training (NN)	[-0.0087 , 0.0055]	2
Co-Training (C45)	[-0.02985 , -0.0056]	2
Co-Training (NB)	[-0.013 , 0.03355]	2
Co-Training (SMO)	[-0.0353 , -0.01]	2
Democratic-Co	[-0.03435 , -0.01525]	2
SETRED	[-0.01105 , -0.00155]	2
TriTraining (NN)	[0.00125 , 0.0163]	2
TriTraining (C45)	[-0.0338 , -0.01055]	2
TriTraining (NB)	[-0.00955 , 0.03665]	2
TriTraining (SMO)	[-0.02785 , -0.00175]	2
DE-TriTraining (NN)	[-0.00645 , 0.0065]	2
DE-TriTraining (C45)	[-0.0195 , 0.0035]	2
DE-TriTraining (NB)	[-0.00735 , 0.03375]	2
DE-TriTraining (SMO)	[-0.0193 , -0.00325]	2
CoForest	[-0.02505 , -0.0015]	2
Rasco (NN)	[0.01095 , 0.0282]	2
Rasco (C45)	[-0.0258 , 0.0045]	2
Rasco (NB)	[-0.0013 , 0.0477]	2
Rasco (SMO)	[-0.01135 , 0.0236]	2
Co-Bagging (NN)	[-0.01375 , -0.0031]	2
Co-Bagging (C45)	[-0.02945 , 0.00155]	2
Co-Bagging (NB)	[-0.00975 , 0.0347]	2
Co-Bagging (SMO)	[-0.03235 , -0.01125]	2
Rel-Rasco (NN)	[0.01145 , 0.0312]	2
Rel-Rasco (C45)	[-0.024 , 0.00585]	2
Rel-Rasco (NB)	[-0.00095 , 0.05005]	2
Rel-Rasco (SMO)	[-0.00895 , 0.0276]	2
CLCC	[0.01965 , 0.0765]	2
APSSC	[0.00225 , 0.03415]	2
ADE-CoForest	[-0.0128 , 0.01155]	2

Table 101: Confidence intervals for algorithm SNNRCE (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.0077 , 0.00275]	2
Self-Training (C45)	[-0.0352 , -0.0041]	2
Self-Training (NB)	[-0.00175 , 0.05385]	2
Self-Training (SMO)	[-0.02885 , 0.0014]	2
Co-Training (NN)	[-0.0102 , 0.007]	2
Co-Training (C45)	[-0.03265 , -0.00305]	2
Co-Training (NB)	[-0.0168 , 0.039]	2
Co-Training (SMO)	[-0.03725 , -0.0077]	2
Democratic-Co	[-0.03675 , -0.01295]	2
SETRED	[-0.01205 , -0.0007]	2
TriTraining (NN)	[-0.0001 , 0.01795]	2
TriTraining (C45)	[-0.0357 , -0.0086]	2
TriTraining (NB)	[-0.01455 , 0.04175]	2
TriTraining (SMO)	[-0.0305 , 0.00125]	2
DE-TriTraining (NN)	[-0.0076 , 0.00815]	2
DE-TriTraining (C45)	[-0.0209 , 0.0057]	2
DE-TriTraining (NB)	[-0.0127 , 0.03885]	2
DE-TriTraining (SMO)	[-0.02075 , -0.0014]	2
CoForest	[-0.027 , 0.0012]	2
Rasco (NN)	[0.00905 , 0.03075]	2
Rasco (C45)	[-0.02855 , 0.00665]	2
Rasco (NB)	[-0.00685 , 0.0555]	2
Rasco (SMO)	[-0.0152 , 0.0275]	2
Co-Bagging (NN)	[-0.0148 , -0.00225]	2
Co-Bagging (C45)	[-0.0324 , 0.0045]	2
Co-Bagging (NB)	[-0.0131 , 0.04055]	2
Co-Bagging (SMO)	[-0.0351 , -0.0096]	2
Rel-Rasco (NN)	[0.00995 , 0.03355]	2
Rel-Rasco (C45)	[-0.02705 , 0.00945]	2
Rel-Rasco (NB)	[-0.0065 , 0.059]	2
Rel-Rasco (SMO)	[-0.01175 , 0.0322]	2
CLCC	[0.01665 , 0.0841]	2
APSSC	[-0.0012 , 0.0382]	2
ADE-CoForest	[-0.0147 , 0.01505]	2

Table 102: Confidence intervals for algorithm SNNRCE (α=0.95)

35 Detailed results for ADE-CoForest

35.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
Self-Training (NN)	777.0	763.0	-	0.949895
Self-Training (C45)	581.0	959.0	-	1
Self-Training (NB)	984.0	501.0	-	0.036986
Self-Training (SMO)	466.0	1074.0	-	1
Co-Training (NN)	847.0	693.0	-	0.51612
Co-Training (C45)	585.0	955.0	-	1
Co-Training (NB)	836.0	704.0	-	0.577409
Co-Training (SMO)	474.0	1066.0	-	1
Democratic-Co	408.5	1076.5	-	1
SETRED	717.0	823.0	-	1
TriTraining (NN)	840.5	699.5	-	0.551509
TriTraining (C45)	477.0	1008.0	-	1
TriTraining (NB)	863.0	677.0	-	0.433396
TriTraining (SMO)	518.5	1021.5	-	1
DE-TriTraining (NN)	796.5	743.5	-	0.82029
DE-TriTraining (C45)	803.0	737.0	-	0.778955
DE-TriTraining (NB)	906.0	634.0	-	0.252263
DE-TriTraining (SMO)	642.0	843.0	-	1
CoForest	434.0	1106.0	-	1
Rasco (NN)	1024.0	516.0	-	0.032613
Rasco (C45)	691.5	793.5	-	1
Rasco (NB)	928.0	612.0	-	0.183259
Rasco (SMO)	729.0	756.0	-	1
Co-Bagging (NN)	691.5	848.5	-	1
Co-Bagging (C45)	644.5	895.5	-	1
Co-Bagging (NB)	898.0	642.0	-	0.28164
Co-Bagging (SMO)	477.0	1063.0	-	1
Rel-Rasco (NN)	1056.0	484.0	-	0.016375
Rel-Rasco (C45)	711.5	773.5	-	1
Rel-Rasco (NB)	956.0	584.0	-	0.118147
Rel-Rasco (SMO)	778.0	762.0	-	0.943225
CLCC	1267.0	273.0	-	0.000031
APSSC	893.0	647.0	-	0.300279
SNNRCE	816.5	723.5	-	0.69343

Table 103: Results obtained by the Wilcoxon test for algorithm ADE-CoForest

35.2 Confidence intervals for Median of diferences

α=0.90	Confidence interval	Exact confidence
Self-Training (NN)	[-0.01705 , 0.014]	2
Self-Training (C45)	[-0.0314 , 0.0004]	2
Self-Training (NB)	[0.0051 , 0.04365]	2
Self-Training (SMO)	[-0.0404 , -0.00895]	2
Co-Training (NN)	[-0.012 , 0.019]	2
Co-Training (C45)	[-0.03205 , 0.0009]	2
Co-Training (NB)	[-0.01295 , 0.0288]	2
Co-Training (SMO)	[-0.04445 , -0.00965]	2
Democratic-Co	[-0.0392 , -0.0097]	2
SETRED	[-0.0212 , 0.00955]	2
TriTraining (NN)	[-0.01355 , 0.02295]	2
TriTraining (C45)	[-0.0379 , -0.006]	2
TriTraining (NB)	[-0.0126 , 0.0313]	2
TriTraining (SMO)	[-0.03665 , -0.0048]	2
DE-TriTraining (NN)	[-0.01 , 0.00905]	2
DE-TriTraining (C45)	[-0.00965 , 0.00955]	2
DE-TriTraining (NB)	[-0.005 , 0.02925]	2
DE-TriTraining (SMO)	[-0.01655 , 0.00425]	2
CoForest	[-0.02115 , -0.00505]	2
Rasco (NN)	[0.00655 , 0.0376]	2
Rasco (C45)	[-0.0281 , 0.01245]	2
Rasco (NB)	[-0.004 , 0.03995]	2
Rasco (SMO)	[-0.02025 , 0.0161]	2
Co-Bagging (NN)	[-0.0166 , 0.006]	2
Co-Bagging (C45)	[-0.02815 , 0.0059]	2
Co-Bagging (NB)	[-0.0073 , 0.03155]	2
Co-Bagging (SMO)	[-0.04075 , -0.00875]	2
Rel-Rasco (NN)	[0.00975 , 0.03975]	2
Rel-Rasco (C45)	[-0.02195 , 0.01375]	2
Rel-Rasco (NB)	[-0.00165 , 0.04255]	2
Rel-Rasco (SMO)	[-0.0177 , 0.0228]	2
CLCC	[0.0203 , 0.04815]	2
APSSC	[-0.0089 , 0.03565]	2
SNNRCE	[-0.01155 , 0.0128]	2

Table 104: Confidence intervals for algorithm ADE-CoForest (α=0.90)

α=0.95	Confidence interval	Exact confidence
Self-Training (NN)	[-0.02235 , 0.01585]	2
Self-Training (C45)	[-0.03615 , 0.0024]	2
Self-Training (NB)	[0.0019 , 0.0468]	2
Self-Training (SMO)	[-0.04415 , -0.0063]	2
Co-Training (NN)	[-0.01935 , 0.0205]	2
Co-Training (C45)	[-0.0379 , 0.0031]	2
Co-Training (NB)	[-0.0171 , 0.03235]	2
Co-Training (SMO)	[-0.0489 , -0.0071]	2
Democratic-Co	[-0.04315 , -0.0068]	2
SETRED	[-0.0259 , 0.0122]	2
TriTraining (NN)	[-0.0183 , 0.02545]	2
TriTraining (C45)	[-0.0421 , -0.00265]	2
TriTraining (NB)	[-0.0155 , 0.03465]	2
TriTraining (SMO)	[-0.0397 , -0.00205]	2
DE-TriTraining (NN)	[-0.0131 , 0.0112]	2
DE-TriTraining (C45)	[-0.01315 , 0.0118]	2
DE-TriTraining (NB)	[-0.009 , 0.03305]	2
DE-TriTraining (SMO)	[-0.01945 , 0.00695]	2
CoForest	[-0.0232 , -0.0036]	2
Rasco (NN)	[0.0032 , 0.04015]	2
Rasco (C45)	[-0.0322 , 0.015]	2
Rasco (NB)	[-0.00795 , 0.0445]	2
Rasco (SMO)	[-0.02455 , 0.0197]	2
Co-Bagging (NN)	[-0.0216 , 0.008]	2
Co-Bagging (C45)	[-0.0334 , 0.0084]	2
Co-Bagging (NB)	[-0.0115 , 0.03465]	2
Co-Bagging (SMO)	[-0.0463 , -0.00525]	2
Rel-Rasco (NN)	[0.0056 , 0.04325]	2
Rel-Rasco (C45)	[-0.02715 , 0.0167]	2
Rel-Rasco (NB)	[-0.0055 , 0.0472]	2
Rel-Rasco (SMO)	[-0.0227 , 0.02685]	2
CLCC	[0.01795 , 0.0522]	2
APSSC	[-0.0176 , 0.0393]	2
SNNRCE	[-0.01505 , 0.0147]	2

Table 105: Confidence intervals for algorithm ADE-CoForest (α=0.95)