

Supplementary Materials

Table S1. Minimum, median, mean and maximum kappa achieved by each classifier over all the datasets. In bold the best value for each column.

Classifier	Kappa (%)			
	Minimum	Median	Mean	Maximum
svm(O)	-29.9	10.7	7.4	38.5
elm(O)	-47.4	0.0	-0.4	45.5
lda(O)	-33.2	19.6	14.0	42.6
lda(M)	-30.6	17.5	10.2	38.8
dlda(M)	-42.9	2.6	1.0	32.0
mlp(M)	-43.6	4.3	3.4	42.0
ctree(M)	-25.3	3.3	3.1	33.0
ridge(M)	-48.1	0.0	0.3	44.9
knn(M)	-34.3	8.3	5.1	28.2
lasso(M)	-61.3	9.9	3.2	38.8
qda(M)	-27.3	0.7	1.3	28.2
nb(M)	-30.0	4.8	6.7	36.4
adaboost(M)	-40.4	6.7	5.1	28.2
logreg(M)	-29.9	9.8	8.9	42.3
lda(P)	-30.6	14.1	9.5	35.4
logreg(P)	-30.6	9.1	7.6	35.4
kfd(P)	-40.0	9.3	7.6	35.4
rf(P)	-28.6	9.7	7.7	38.5
svm(P)	-31.2	10.8	7.6	38.5
adaboost(P)	-37.8	13.6	10.0	53.7
mlp(P)	-56.4	5.5	3.4	52.7
sgd(P)	-36.4	9.6	6.3	42.6
ctree(P)	-29.2	7.1	7.4	35.7
gbm(P)	-30.6	9.6	9.6	38.5
avNNet(R)	-44.6	5.9	3.4	42.0
bagging(R)	-33.9	9.8	5.2	24.0
ctree(R)	-26.6	27.6	13.1	34.4
knn(R)	-30.6	6.2	7.9	42.0
lda(R)	-30.6	14.1	9.5	35.4
nb(R)	-30.6	2.8	5.0	38.2
neuralnet(R)	-29.9	10.3	9.1	46.6
nnet(R)	-33.2	7.1	6.1	42.9
rpart(R)	-37.1	4.3	2.8	46.0
svm(R)	-44.1	12.0	8.6	39.1

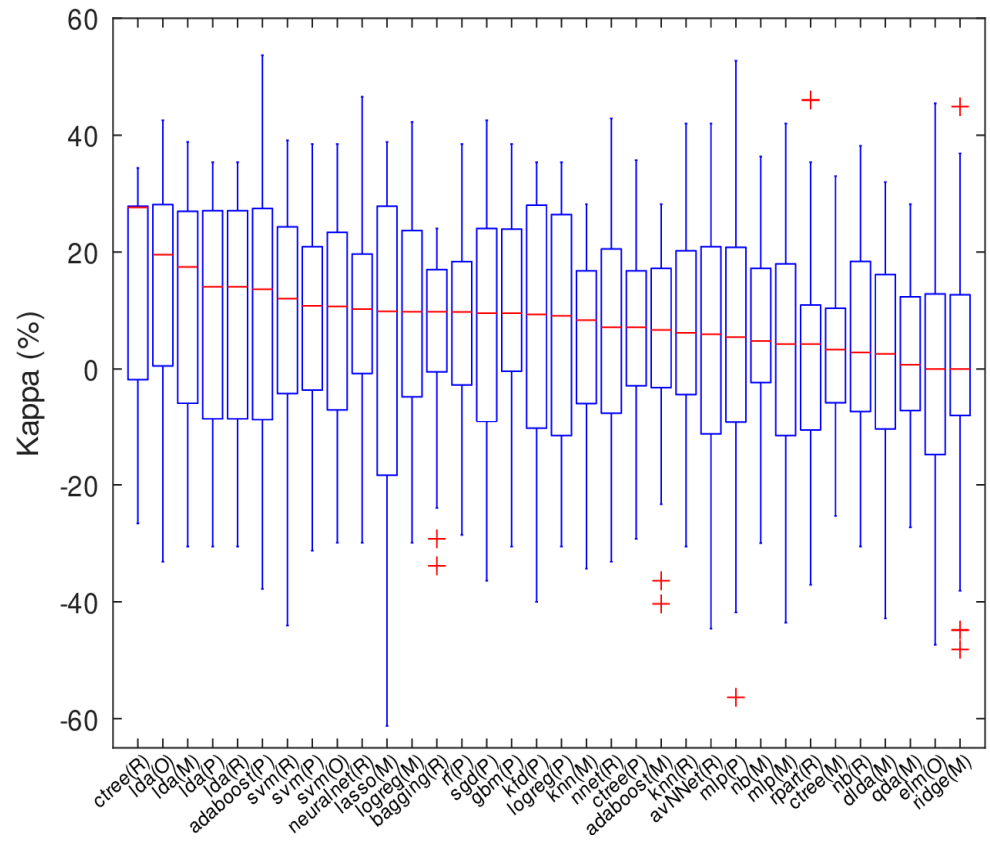


Figure S1. Boxplot of the kappa values achieved by each classifier over all the datasets. The boxes are sorted by decreasing median value (red line inside the box).