

ARFF FILE FOR THE DIABETES DATABASE AND PERFORM SVM BASED CLASSIFICATION

eprocess

Classify

Cluster

Associate

Select attributes

Visualize

Classifier

Choose

Logistic -R 1.0E-8 -M -1 --num-decimal-places 4

Classifier options

Use training set

Supplied test set

Cross-validation

Percentage split

Folds

10

%

66

More options...

om) class

Start

Stop

ult list (right-click for options)

Classifier output

66 2:tested_positive 2:tested_positive 0.662

67 2:tested_positive 2:tested_positive 0.863

68 2:tested_positive 2:tested_positive 0.786

69 2:tested_positive 2:tested_positive 0.666

70 2:tested_positive 2:tested_positive 0.514

71 2:tested_positive 1:tested_negative + 0.785

72 2:tested_positive 2:tested_positive 0.815

73 2:tested_positive 1:tested_negative + 0.652

74 2:tested_positive 1:tested_negative + 0.52

75 2:tested_positive 1:tested_negative + 0.634

76 2:tested_positive 1:tested_negative + 0.851

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 597 77.7344 %

Incorrectly Classified Instances 171 22.2656 %

Kappa statistic 0.4855

Mean absolute error 0.319

Root mean squared error 0.3996

Relative absolute error 70.1878 %

Root relative squared error 83.8438 %

Total Number of Instances 768

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	FRC Area	Class
	0.884	0.422	0.796	0.884	0.838	0.492	0.825	0.886	tested_negative
	0.578	0.116	0.728	0.578	0.644	0.492	0.825	0.697	tested_positive
Weighted Avg.	0.777	0.315	0.772	0.777	0.770	0.492	0.825	0.820	

=== Confusion Matrix ===

a b <-- classified as

442 58 | a = tested_negative

113 155 | b = tested_positive