

Weka Explorer

Preprocess **Classify** Cluster Associate Select attributes Visualize

Classifier
Choose **SMO** -C 1.0 -L 0.001 -P 1.0E-12 -N 0 -V -1 -W 1 -K "weka.classifiers.functions.supportVector.PolyKernel -E 1.0 -C 250007" -calibrator "weka.classifiers.functions.Logistic -R 1.0E-8 -M -1 -num-decimal-places 4"

Test options
☐ Use training set
☐ Supplied test set Set...
☒ Cross-validation Folds **10**
☐ Percentage split % 66
More options...

(Nom) class
Start Stop

Result list (right-click for options)
09:48:23 - trees.DecisionStump
09:56:42 - functions.SMO

Classifier output
Number of kernel evaluations: 352 (70.32% cached)
Classifier for classes: Iris-setosa, Iris-virginica
BinarySMO
Machine linear: showing attribute weights, not support vectors.
+ 0.5886 * (normalized) sepalwidth
+ -0.5782 * (normalized) sepalwidth
+ 1.6429 * (normalized) petalwidth
+ 1.4777 * (normalized) petalwidth
- 1.1668
Number of kernel evaluations: 284 (68.996% cached)
Classifier for classes: Iris-versicolor, Iris-virginica
BinarySMO
Machine linear: showing attribute weights, not support vectors.
+ 0.3176 * (normalized) sepalwidth
+ -0.863 * (normalized) sepalwidth
+ 3.0543 * (normalized) petalwidth
+ 4.0815 * (normalized) petalwidth
- 4.5924
Number of kernel evaluations: 453 (61.381% cached)
Time taken to build model: 0.02 seconds

Status
OK Log x 0

Weka Explorer

Preprocess **Classify** Cluster Associate Select attributes Visualize

Classifier
Choose **SMO** -C 1.0 -L 0.001 -P 1.0E-12 -N 0 -V -1 -W 1 -K "weka.classifiers.functions.supportVector.PolyKernel -E 1.0 -C 250007" -calibrator "weka.classifiers.functions.Logistic -R 1.0E-8 -M -1 -num-decimal-places 4"

Test options
☐ Use training set
☐ Supplied test set Set...
☒ Cross-validation Folds **10**
☐ Percentage split % 66
More options...

(Nom) class
Start Stop

Result list (right-click for options)
09:48:23 - trees.DecisionStump
09:56:42 - functions.SMO

Classifier output
Number of kernel evaluations: 453 (61.381% cached)
Time taken to build model: 0.02 seconds
=== Stratified cross-validation ===
=== Summary ===
Correctly Classified Instances 144 96 %
Incorrectly Classified Instances 6 4 %
Kappa statistic 0.94
Mean absolute error 0.2311
Root mean squared error 0.288
Relative absolute error 52 %
Root relative squared error 61.101 %
Total Number of Instances 150
=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	FRC Area	Class
	1.000	0.000	1.000	1.000	1.000	1.000	1.000	1.000	Iris-setosa
	0.980	0.050	0.907	0.980	0.942	0.913	0.965	0.896	Iris-versicolor
	0.900	0.010	0.978	0.900	0.938	0.910	0.970	0.930	Iris-virginica
Weighted Avg.	0.960	0.020	0.962	0.960	0.960	0.941	0.978	0.942	

=== Confusion Matrix ===
a b c <-- classified as
50 0 0 | a = Iris-setosa
0 49 1 | b = Iris-versicolor
0 5 45 | c = Iris-virginica

Status
OK Log x 0