

Classifier

Choose NaiveBayes

Test options

Use training set

Supplied test set

Cross-validation Folds

Percentage split %

(Nom) class

Result list (right-click for options)

19:55:31 - bayes.NaiveBayes

Classifier output

== Run information ==

Scheme: weka.classifiers.bayes.NaiveBayes

Relation: iris

Instances: 150

Attributes: 5

sepallength

sepalwidth

petallength

petalwidth

class

Test mode: 10-fold cross-validation

== Classifier model (full training set) ==

Naive Bayes Classifier

Attribute	Class		
	Iris-setosa	Iris-versicolor	Iris-virginica
	(0.33)	(0.33)	(0.33)

sepallength

mean	4.9913	5.9379	6.5795
std. dev.	0.355	0.5042	0.6353
weight sum	50	50	50
precision	0.1059	0.1059	0.1059

sepalwidth

mean	3.4015	2.7687	2.9629
std. dev.	0.3925	0.3038	0.3088
weight sum	50	50	50
precision	0.1091	0.1091	0.1091

petallength

mean	1.4694	4.2452	5.5516
std. dev.	0.1782	0.4712	0.5529
weight sum	50	50	50
precision	0.1405	0.1405	0.1405

Status

OK

Classifier

Choose NaiveBayes

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Supplied test set Set...

Cross-validation Folds 10

Percentage split % 66

[More options...](#)

Classifier output

mean	0.2743	1.3097	2.0343
std. dev.	0.1096	0.1915	0.2646
weight sum	50	50	50
precision	0.1143	0.1143	0.1143

(Nom) class

Time taken to build model: 0 seconds

[Start](#)[Stop](#)

Result list (right-click for options)

19:55:31 - bayes.NaiveBayes

Correctly Classified Instances	144	96	%
Incorrectly Classified Instances	6	4	%
Kappa statistic	0.94		
Mean absolute error	0.0342		
Root mean squared error	0.155		
Relative absolute error	7.6997 %		
Root relative squared error	32.8794 %		
Total Number of Instances	150		

==== Detailed Accuracy By Class ====

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
1.000	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	Iris-setosa
0.960	0.040	0.923	0.960	0.941	0.911	0.992	0.983	0.983	Iris-versicolor
0.920	0.020	0.958	0.920	0.939	0.910	0.992	0.986	0.986	Iris-virginica
Weighted Avg.	0.960	0.020	0.960	0.960	0.960	0.940	0.994	0.989	

==== Confusion Matrix ====

a	b	c	-- classified as
50	0	0	a = Iris-setosa
0	48	2	b = Iris-versicolor
0	4	46	c = Iris-virginica