

Weka Explorer

Preprocess Classify Cluster Associate Select attributes Visualize

Classifier

Choose **NaiveBayes**

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)

20:58:35 - bayes.NaiveBayes

Classifier output

Scheme: weka.classifiers.bayes.NaiveBayes

Relation: pima_diabetes

Instances: 768

Attributes: 9

preg

plas

pres

skin

insu

mass

pedi

age

class

Test mode: 10-fold cross-validation

=== Classifier model (full training set) ===

Naive Bayes Classifier

Attribute	Class	tested_negative	tested_positive
		(0.65)	(0.35)
preg			
mean		3.4234	4.9795
std. dev.		3.0166	3.6827
weight sum		500	268
precision		1.0625	1.0625

Status

OK

Log x0

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(Nom) class

Start Stop

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20:58:35 - bayes.NaiveBayes

Classifier output

preg

mean	3.4234	4.9795
std. dev.	3.0166	3.6827
weight sum	500	268
precision	1.0625	1.0625

plas

mean	109.9541	141.2581
std. dev.	26.1114	31.8728
weight sum	500	268
precision	1.4741	1.4741

pres

mean	68.1397	70.718
std. dev.	17.9834	21.4094
weight sum	500	268
precision	2.6522	2.6522

skin

mean	19.8356	22.2824
std. dev.	14.8974	17.6992
weight sum	500	268
precision	1.98	1.98

insu

mean	68.8507	100.2812
std. dev.	98.828	138.4883
weight sum	500	268
precision	4.573	4.573

Status

OK

Log x0

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Classifier

ChooseNaiveBayes

Test options

☒ Use training set

☐ Supplied test set

☐ Cross-validation

☐ Percentage split

Set...

Folds10

%66

More options...

(Nom) class

StartStop

Result list (right-click for options)

20:58:35 - bayes.NaiveBayes

Classifier output

mean30.300935.1475

std. dev.7.68337.2537

weight sum500268

precision0.27170.2717

pedi

mean0.42970.5504

std. dev.0.29860.3715

weight sum500268

precision0.00450.0045

age

mean31.249437.0808

std. dev.11.605910.9146

weight sum500268

precision1.17651.1765

Time taken to build model: 0.01 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances58676.3021 %

Incorrectly Classified Instances18223.6979 %

Kappa statistic0.4664

Mean absolute error0.2841

Root mean squared error0.4168

Relative absolute error62.5028 %

Status

OK

Log

x0