

Weka Explorer

Preprocess

Classify

Cluster

Associate

Select attributes

Visualize

Classifier

Choose **DecisionTable -X 1 -S "weka.attributeSelection.BestFirst -D 1 -N 5"**

Test options

☐ Use training set

☐ Supplied test set

☒ Cross-validation

☐ Percentage split

Folds

10

%

66

More options...

(Nom) class

Start

Stop

Result list (right-click for options)

11:44:47 - rules.DecisionTable

Classifier output

=== Run information ===

Scheme: weka.classifiers.rules.DecisionTable -X 1 -S "weka.attributeSelection.BestFirst -D 1 -N 5"

Relation: german_credit

Instances: 1000

Attributes: 21

checking_status

duration

credit_history

purpose

credit_amount

savings_status

employment

installment_commitment

personal_status

other_parties

residence_since

property_magnitude

age

other_payment_plans

housing

existing_credits

job

num_dependents

own_telephone

foreign_worker

class

Test mode: 10-fold cross-validation

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

Decision Table:

Number of training instances: 1000

Number of Rules : 68

Non matches covered by Majority class.

Best first.

Start 11:44:47

Status

Weka Explorer

Preprocess

Classify

Cluster

Associate

Select attributes

Visualize

Classifier

Choose

DecisionTable -X 1 -S "weka.attributeSelection.BestFirst -D 1 -N 5"

Test options

☐ Use training set

☐ Supplied test set

☒ Cross-validation

☐ Percentage split

Folds

%

10

66

More options...

(Nom) class

Start

Stop

Result list (right-click for options)

11:44:47 - rules.DecisionTable

Classifier output

Number of Rules : 68
Non matches covered by Majority class.
Best first.
Start set: no attributes
Search direction: forward
Stale search after 5 node expansions
Total number of subsets evaluated: 148
Merit of best subset found: 75.1
Evaluation (for feature selection): CV (leave one out)
Feature set: 1,2,3,20,21
Time taken to build model: 0.15 seconds

=== Stratified cross-validation ===
=== Summary ===

Correctly Classified Instances	710	71	%
Incorrectly Classified Instances	290	29	%
Kappa statistic	0.2033		
Mean absolute error	0.3677		
Root mean squared error	0.4321		
Relative absolute error	87.505 %		
Root relative squared error	94.2815 %		
Total Number of Instances	1000		

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	0.693	0.717	0.744	0.893	0.812	0.220	0.723	0.854	good
	0.283	0.107	0.531	0.283	0.370	0.220	0.723	0.478	bad
Weighted Avg.	0.710	0.534	0.680	0.710	0.679	0.220	0.723	0.741	

=== Confusion Matrix ===

a	b	<-- classified as
625	75	a = good
215	85	b = bad

Status

OK

Log

x 0