

Classifier

Choose J48 -C 0.25 -M 2

Test options

- ☐ Use training set
- ☐ Supplied test set
- ☒ Cross-validation Folds
- ☐ Percentage split %
-

(Nom) class

Start

Stop

Result list (right-click for options)

22:40:01 - trees.J48

Status

OK

Log

x 0

Classifier

Choose J48 -C 0.25 -M 2

Test options

- ☒ Use training set
- ☐ Supplied test set
- ☐ Cross-validation Folds
- ☐ Percentage split %
-

(Nom) class

Start

Stop

Result list (right-click for options)

22:40:01 - trees.J48

22:43:15 - trees.J48

Status

OK

Log

x 0

Classifier output

Time taken to build model: 0.33 seconds

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

Correctly Classified Instances	705	70.5	%
Incorrectly Classified Instances	295	29.5	%
Kappa statistic	0.2467		
Mean absolute error	0.3467		
Root mean squared error	0.4796		
Relative absolute error	82.5233	%	
Root relative squared error	104.6565	%	
Total Number of Instances	1000		

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	0.840	0.610	0.763	0.840	0.799	0.251	0.639	0.746	good
	0.390	0.160	0.511	0.390	0.442	0.251	0.639	0.449	bad
Weighted Avg.	0.705	0.475	0.687	0.705	0.692	0.251	0.639	0.657	

=== Confusion Matrix ===

```
  a  b  <-- classified as
588 112 |  a = good
183 117 |  b = bad
```

Classifier output

=== Evaluation on training set ===

Time taken to test model on training data: 0.06 seconds

=== Summary ===

Correctly Classified Instances	764	76.4	%
Incorrectly Classified Instances	236	23.6	%
Kappa statistic	0.3386		
Mean absolute error	0.3488		
Root mean squared error	0.4176		
Relative absolute error	83.0049	%	
Root relative squared error	91.1243	%	
Total Number of Instances	1000		

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	0.944	0.657	0.770	0.944	0.849	0.378	0.703	0.807	good
	0.343	0.056	0.725	0.343	0.466	0.378	0.703	0.530	bad
Weighted Avg.	0.764	0.476	0.757	0.764	0.734	0.378	0.703	0.724	

=== Confusion Matrix ===

```
  a  b  <-- classified as
661  39 |  a = good
197 103 |  b = bad
```

Classifier

Choose **CostSensitiveClassifier** -cost-matrix"[0.0 1.0; 1.0 0.0]" -S 1 -W weka.classifiers.trees.J48 -- -C 0.25 -M 2

Test options

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

(Nom) class

Start

Stop

Result list (right-click for options)

22:40:01 - trees.J48
22:43:15 - trees.J48
22:47:16 - meta.CostSensitiveClassifier

Classifier output

Time taken to build model: 0.13 seconds

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

Correctly Classified Instances	703	70.3	%
Incorrectly Classified Instances	297	29.7	%
Kappa statistic	0.1759		
Mean absolute error	0.3862		
Root mean squared error	0.4684		
Relative absolute error	91.9029	%	
Root relative squared error	102.2155	%	
Total Number of Instances	1000		

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	0.894	0.743	0.737	0.894	0.808	0.193	0.603	0.747	good
	0.257	0.106	0.510	0.257	0.341	0.193	0.603	0.394	bad
Weighted Avg.	0.703	0.552	0.669	0.703	0.668	0.193	0.603	0.641	

=== Confusion Matrix ===

```
a  b  <-- classified as
626 74 | a = good
223 77 | b = bad
```

Status

OK

Log

