

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)

08:02:24 - bayes.NaiveBayes

Status

OK

Log

Classifier output

Correctly Classified Instances 290 82.6211 %

Incorrectly Classified Instances 61 17.3789 %

Kappa statistic 0.6394

Mean absolute error 0.1736

Root mean squared error 0.3935

Relative absolute error 37.7001 %

Root relative squared error 82.0203 %

Total Number of Instances 351

=== Detailed Accuracy By Class ===

|               | TP Rate | FP Rate | Precision | Recall | F-Measure | MCC   |
|---------------|---------|---------|-----------|--------|-----------|-------|
| Weighted Avg. | 0.865   | 0.196   | 0.712     | 0.865  | 0.781     | 0.648 |
|               | 0.804   | 0.135   | 0.914     | 0.804  | 0.856     | 0.648 |
|               | 0.826   | 0.157   | 0.842     | 0.826  | 0.829     | 0.648 |

=== Confusion Matrix ===

| a   | b   | ← classified as |
|-----|-----|-----------------|
| 109 | 17  | a = b           |
| 44  | 181 | b = g           |

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Classifier

Choose REPTree -M 2 -V 0.001 -N 3 -S 1 -L -1 -I 0.0

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)

08:04:15 - trees.REPTree

Status

OK

Log

Classifier output

Correctly Classified Instances 314 89.4587 %

Incorrectly Classified Instances 37 10.5413 %

Kappa statistic 0.7689

Mean absolute error 0.158

Root mean squared error 0.3001

Relative absolute error 34.3084 %

Root relative squared error 62.5544 %

Total Number of Instances 351

=== Detailed Accuracy By Class ===

|               | TP Rate | FP Rate | Precision | Recall | F-Measure | MCC   |
|---------------|---------|---------|-----------|--------|-----------|-------|
| Weighted Avg. | 0.833   | 0.071   | 0.868     | 0.833  | 0.850     | 0.769 |
|               | 0.929   | 0.167   | 0.909     | 0.929  | 0.919     | 0.769 |
|               | 0.895   | 0.132   | 0.894     | 0.895  | 0.894     | 0.769 |

=== Confusion Matrix ===

| a   | b   | ← classified as |
|-----|-----|-----------------|
| 105 | 21  | a = b           |
| 16  | 209 | b = g           |

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Classifier

Choose IBk -K 1 -W 0 -A "weka.core.neighboursearch.LinearNNSearch -A \"weka.core.EuclideanDistance -R first-last\""

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)

08:27:57 - lazy.IBk

Status

OK

Log

Classifier output

Correctly Classified Instances 303 86.3248 %

Incorrectly Classified Instances 48 13.6752 %

Kappa statistic 0.6841

Mean absolute error 0.139

Root mean squared error 0.3686

Relative absolute error 30.1815 %

Root relative squared error 76.8426 %

Total Number of Instances 351

=== Detailed Accuracy By Class ===

|               | TP Rate | FP Rate | Precision | Recall | F-Measure | MCC   |
|---------------|---------|---------|-----------|--------|-----------|-------|
| Weighted Avg. | 0.675   | 0.031   | 0.924     | 0.675  | 0.780     | 0.702 |
|               | 0.969   | 0.325   | 0.842     | 0.969  | 0.901     | 0.702 |
|               | 0.863   | 0.220   | 0.871     | 0.863  | 0.857     | 0.702 |

=== Confusion Matrix ===

| a  | b   | ← classified as |
|----|-----|-----------------|
| 85 | 41  | a = b           |
| 7  | 218 | b = g           |