

EXPERIMENT 6

Weka Explorer

Preprocess Classify Cluster Associate Select attributes Visualize

Classifier

Choose | IBk -K 3 -W 0 -A "weka.core.neighboursearch.LinearNNSearch -A \"weka.core.EuclideanDistance -R first-last\""

Test options

☐ Use training set

☐ Supplied test set

☒ Cross-validation Folds 10

☐ Percentage split % 66

More options...

(Nom) class

Start Stop

Result list (right-click for options)

09:22:50 - lazy.IBk

Classifier output

```
=== Run information ===

Scheme:      weka.classifiers.lazy.IBk -K 3 -W 0 -A "weka.core.neighboursearch.LinearNNSearch -A \"weka.core.EuclideanDistance -R first-last\""
Relation:     iris
Instances:    150
Attributes:    5
  sepallength
  sepalwidth
  petallength
  petalwidth
  class
Test mode:    10-fold cross-validation

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

IB1 instance-based classifier
using 3 nearest neighbour(s) for classification

Time taken to build model: 0 seconds

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

Correctly Classified Instances      143           95.3333 %
Incorrectly Classified Instances      7           4.6667 %
Kappa statistic                    0.93
Mean absolute error                 0.04
Root mean squared error             0.1703
Relative absolute error              5.0013 %
Root relative squared error         36.1192 %
Total Number of Instances          150

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

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Total Number of Instances          150

=== Detailed Accuracy By Class ===

      TP Rate  FP Rate  Precision  Recall   F-Measure  MCG     ROC Area  FRC Area  Class
      1.000    0.000    1.000     1.000    1.000     1.000    1.000    1.000    Iris-setosa
      0.940    0.040    0.922     0.940    0.931     0.896    0.963    0.910    Iris-versicolor
      0.920    0.030    0.939     0.920    0.929     0.895    0.958    0.919    Iris-virginica
Weighted Avg.   0.953    0.023    0.953     0.953    0.953     0.930    0.974    0.943

=== Confusion Matrix ===

 a  b  c  <-- classified as
50  0  0 | a = Iris-setosa
 0 47  3 | b = Iris-versicolor
 0  4 46 | c = Iris-virginica
```

Status
OK

Log x 0