

Weka Explorer

Preprocess **Classify** Cluster Associate Select attributes Visualize

Classifier: Choose **DecisionStump**

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)
 09:48:23 - trees.DecisionStump

Status OK

Classifier output

```

=== Run information ===

Scheme:      weka.classifiers.trees.DecisionStump
Relation:    iris
Instances:   150
Attributes:  5
              sepalwidth
              sepalwidth
              petalwidth
              petalwidth
              class

Test mode:   10-fold cross-validation

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

Decision Stump

Classifications

petalwidth <= 2.45 : Iris-setosa
petalwidth > 2.45 : Iris-versicolor
petalwidth is missing : Iris-setosa

Class distributions

petalwidth <= 2.45
Iris-setosa   Iris-versicolor Iris-virginica
1.0   0.0   0.0
petalwidth > 2.45
Iris-setosa   Iris-versicolor Iris-virginica
0.0   0.5   0.5
petalwidth is missing
Iris-setosa   Iris-versicolor Iris-virginica
0.3333333333333333  0.3333333333333333  0.3333333333333333
  
```

Log x 0

Weka Explorer

Preprocess **Classify** Cluster Associate Select attributes Visualize

Classifier: Choose **DecisionStump**

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)
 09:48:23 - trees.DecisionStump

Status OK

Classifier output

```

petalwidth is missing
Iris-setosa   Iris-versicolor Iris-virginica
0.3333333333333333  0.3333333333333333  0.3333333333333333

Time taken to build model: 0 seconds

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

Correctly Classified Instances      100           66.6667 %
Incorrectly Classified Instances    50           33.3333 %
Kappa statistic                    0.5
Mean absolute error                 0.2222
Root mean squared error             0.3333
Relative absolute error              50 %
Root relative squared error         70.7107 %
Total Number of Instances          150

=== Detailed Accuracy By Class ===

              TP Rate  FP Rate  Precision  Recall   F-Measure  MCC      ROC Area  PRC Area  Class
1.000  0.000  1.000    1.000  1.000    1.000  1.000  1.000  1.000  Iris-setosa
1.000  0.500  0.500    1.000  0.667  0.500  0.750  0.500  Iris-versicolor
0.000  0.000  ?      0.000  ?      ?      0.750  0.500  Iris-virginica
Weighted Avg.   0.667  0.167  ?      0.667  ?      ?      0.833  0.667

=== Confusion Matrix ===
  a  b  c  <-- classified as
50  0  0 | a = Iris-setosa
 0 50  0 | b = Iris-versicolor
 0 50  0 | c = Iris-virginica
  
```

Log x 0