

Weka Explorer

Preprocess

Classify

Cluster

Associate

Select attributes

Visualize

Clusterer

ChooseCanopy -N -1 -max-candidates 100 -periodic-pruning 10000 -min-density 2.0 -t2 -1.0 -t1 -1.25 -S 1

Cluster mode

☒ Use training set

☐ Supplied test set

☐ Percentage split

☐ Classes to clusters evaluation

☒ Store clusters for visualization

Set...

%66

(Nom) class

Ignore attributes

Start

Stop

Result list (right-click for options)

10:41:23 - EM

10:47:25 - FilteredClusterer

10:51:50 - HierarchicalClusterer

10:52:09 - Canopy

Clusterer output

Within cluster sum of squared errors: 62.1436882815797

Initial starting points (random):

Cluster 0: 6.1,2.9,4.7,1.4,Iris-versicolor

Cluster 1: 6.2,2.9,4.3,1.3,Iris-versicolor

Missing values globally replaced with mean/mode

Final cluster centroids:

Attribute	Full Data	Cluster#	0	1
	(150.0)	(100.0)	(50.0)	
sepalwidth	5.8433	6.262	5.006	
sepalwidth	3.054	2.872	3.418	
petalwidth	3.7587	4.906	1.464	
petalwidth	1.1987	1.676	0.244	
class	Iris-setosa	Iris-versicolor	Iris-setosa	

Time taken to build model (full training data) : 0 seconds

=== Model and evaluation on training set ===

Clustered Instances

0	100 (67%)
1	50 (33%)

Status

OK

Log

x0

Weka Explorer

Preprocess

Classify

Cluster

Associate

Select attributes

Visualize

Classifier

Choose

ZeroR

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)

10:34:36 - rules.ZeroR

Classifier output

ZeroR predicts class value: Iris-setosa

Time taken to build model: 0 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances	50	33.3333 %
Incorrectly Classified Instances	100	66.6667 %
Kappa statistic	0	
Mean absolute error	0.4444	
Root mean squared error	0.4714	
Relative absolute error	100	%
Root relative squared error	100	%
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	1.000	0.333	1.000	0.500	?	0.500	0.333	Iris-set
	0.000	0.000	?	0.000	?	?	0.500	0.333	Iris-ver
	0.000	0.000	?	0.000	?	?	0.500	0.333	Iris-vir
Weighted Avg.	0.333	0.333	?	0.333	?	?	0.500	0.333	

=== Confusion Matrix ===

a

b

c

<-- classified as

50

0

0

|

a = Iris-setosa

50

0

0

|

b = Iris-versicolor

50

0

0


|

c = Iris-virginica

Status

OK

Log

 x0

