

Weka Explorer

Preprocess

Classify

Cluster

Associate

Select attributes

Visualize

Clusterer

ChooseHierarchicalClusterer -N 2 -L SINGLE -P -A 'weka.core.EuclideanDistance -R first-last'

Cluster mode

Use training set

Supplied test set

Percentage split

Classes to clusters evaluation

Set...

%66

(Nom) class

Store clusters for visualization

Ignore attributes

Start

Stop

Result list (right-click for options)

11:23:56 - EM

11:28:22 - HierarchicalClusterer

Clusterer output

=== Run information ===

Scheme: weka.clusterers.EM -I 100 -N -1 -X 10 -max -1 -ll-cv 1.0E-6 -ll-iter 1.0E-6 -M 1.0E-6 -K 10 -num-slots 1 -S 100

Relation: iris

Instances: 150

Attributes: 5

sepalength

sepalwidth

petallength

petalwidth

class

Test mode: evaluate on training data

=== Clustering model (full training set) ===

EM

==

Number of clusters selected by cross validation: 4

Number of iterations performed: 16

Attribute	Cluster			
	0	1	2	3
	(0.32)	(0.33)	(0.2)	(0.14)
=====				
sepalength				
mean	5.897	5.006	6.9426	6.1304
std. dev.	0.5279	0.3489	0.498	0.2943
sepalwidth				
mean	2.7519	3.418	3.1103	2.8088
std. dev.	0.3103	0.3772	0.2952	0.2361
petallength				
mean	4.0000	4.444	5.0000	5.0000
std. dev.	0.0000	0.000	0.0000	0.0000

Status

OK

Log

x 0

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▼

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Cluster output

sepalwidth

mean

std. dev.

sepalwidth

mean

std. dev.

petallength

mean

std. dev.

petalwidth

mean

std. dev.

class

Iris-setosa

Iris-versicolor

Iris-virginica

[total]

Time taken to build model (full training data) : 0.21 seconds

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

Clustered Instances

0

1

2

3

Log likelihood: -2.03504

5.897

5.006

6.9426

6.1304

0.5275

0.3489

0.498

0.2943

2.7519

3.418

3.1103

2.8088

0.3103

0.3772

0.2952

0.2361

4.2267

1.464

5.8559

5.0993

0.445

0.1718

0.4626

0.2462

1.3134

0.244

2.1495

1.8254

0.1864

0.1061

0.232

0.2152

1

51

1

1

48.1125

1

1.0182

3.8693

2.0903

1

31.0375

19.8641

51.2108

53

33.0557

24.7335

Status

OK

Log

x 0