



Weka Explorer

PreprocessClassifyClusterAssociateSelect attributesVisualize

Clusterer

ChooseSimpleKMeans -N 2 -A "weka.core.EuclideanDistance" -R first-last* -J 500 -S 10

Cluster mode

☒ Use training set

☐ Supplied test set

☐ Percentage split

☐ Classes to clusters evaluation

Set...

%66

(None) class

☒ Store clusters for visualization

Ignore attributes

StartStop

Result list (right-click for options)

19:43:22 - SimpleKMeans

Clusterer output

IdMeans

Number of iterations: 7

Within cluster sum of squared errors: 62.1436082815797

Missing values globally replaced with mean/mode

Cluster centroids:

Attribute	Cluster#		
	Full Data	0	1
	(150)	(100)	(50)
sepal.length	5.0433	6.262	5.006
sepal.width	3.054	2.872	3.410
petal.length	3.7507	4.906	1.464
petal.width	1.1987	1.676	0.244
class	Iris-setosa Iris-versicolor		Iris-setosa

Time taken to build model (full training data) : 0.03 seconds

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

Clustered Instances

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

Status

OK

Log

x 0

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☒ Use training set

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%66

{nom} class

☒ Store clusters for visualization

Ignore attributes

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Result list (right-click for options)

19:43:22 - SimpleKMeans

Clusterer output

--- Run information ---

Scheme:weka.clusterers.SimpleKMeans -N 2 -A "weka.core.EuclideanDistance -R first-last" -I 500 -S 10
Relation:iris
Instances:150
Attributes:5
 sepalwidth
 sepalwidth
 petalwidth
 petalwidth
 class
Test mode:evaluate on training data

--- Model and evaluation on training set ---

idMeans

Number of iterations: 7
Within cluster sum of squared errors: 62.1436882815797
Missing values globally replaced with mean/mode

Cluster centroids:

Attribute	Full Data (150)	Cluster#	
		0 (100)	1 (50)
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	Setosa species, Setosa virginiana	Setosa species	Setosa species

Status

OK

Log

x 0