

Open file...

Open URL...

Open DB...

Generate...

Undo

Edit...

Save...

Filter

Choose **None**

Apply

Stop

Current relation

Relation: iris

Instances: 150

Attributes

Attributes: 5

Sum of weights: 150

All

None

Invert

Pattern

No.

Name

- ☒ 1 sepalength  
☐ 2 sepalwidth  
☐ 3 petallength  
☐ 4 petalwidth  
☐ 5 class

Remove

Status

OK

Selected attribute

Name: sepalength

Missing: 0 (0%)

Distinct: 35

Type: Numeric

Unique: 9 (6%)

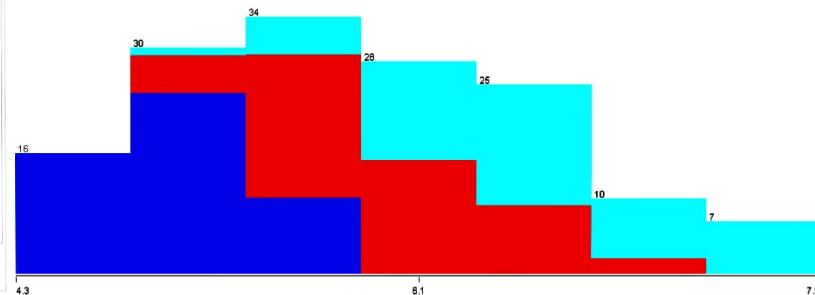
Statistic

Value

Minimum	4.3
Maximum	7.9
Mean	5.843
StdDev	0.828

Class: class (Nom)

Visualize All



Log

x 0

Plot Matrix



lotSize: [100]

pointSize: [1]

tter:

Colour: class (Nom)

Class Colour

☐ Fast scrolling (uses more memory)

Update

Select Attributes

SubSample % : 100

Iris-setosa Iris-versicolor Iris-virginica

atus

K

Log

Choose SimpleKMeans -init 0 -max-candidates 100 -periodic-pruning 10000 -min-density 2.0 -t1 -1.25 -t2 -1.0 -N 2 -A "weka.core.EuclideanDistance -R first-last" -I 500 -num-slots 1 -S 10

## Cluster mode

- ☐ Use training set
- ☐ Supplied test set Set...
- ☐ Percentage split % 66
- ☒ Classes to clusters evaluation (Nom) class
- ☒ Store clusters for visualization

Ignore attributes

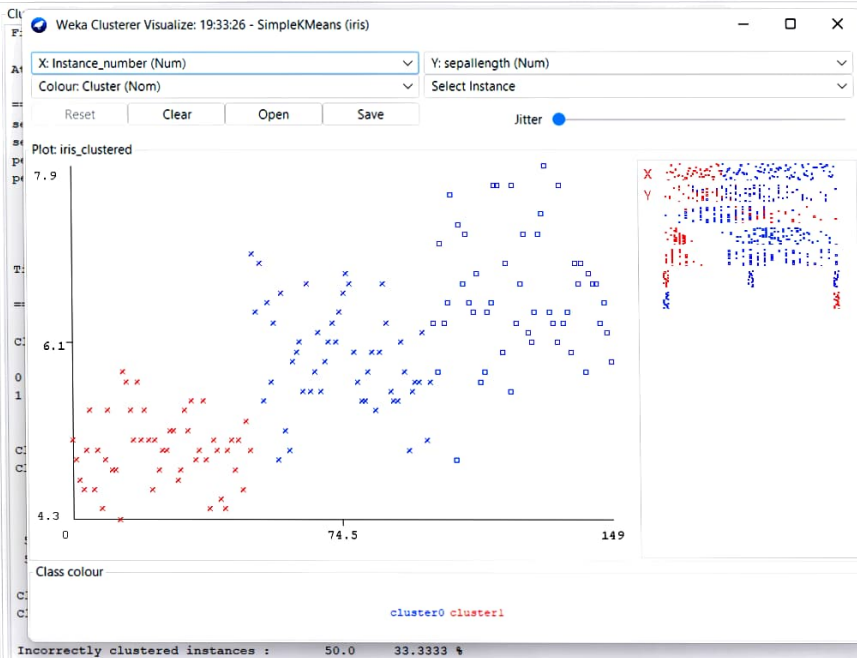
Start

Stop

## Result list (right-click for options)

19:33:26 - SimpleKMeans

19:35:42 - SimpleKMeans



## Clusterer

Choose **SimpleKMeans** -init 0 -max-candidates 100 -periodic-pruning 10000 -min-density 2.0 -t1 -1.25 -t2 -1.0 -N 2 -A 'weka.core.EuclideanDistance -R first-last' -I 500 -num-slots 1 -S 10

## Cluster mode

- ☐ Use training set  
☐ Supplied test set  
☐ Percentage split  
☒ Classes to clusters evaluation  
 (Nom) class  
☒ Store clusters for visualization

Ignore attributes

Start

Stop

## Result list (right-click for options)

19:33:26 - SimpleKMeans

## Clusterer output

Final cluster centroids:

Attribute	Cluster#		
	0	1	
	(150.0)	(100.0)	(50.0)
sepal.length	5.8433	6.262	5.006
sepal.width	3.054	2.872	3.418
petal.length	3.7587	4.906	1.464
petal.width	1.1987	1.676	0.244

Time taken to build model (full training data) : 0.01 seconds

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

## Clustered Instances

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

Class attribute: class

Classes to Clusters:

```
0 1 <-- assigned to cluster
0 50 | Iris-setosa
50 0 | Iris-versicolor
50 0 | Iris-virginica
```

Cluster 0 &lt;-- Iris-versicolor

Cluster 1 &lt;-- Iris-setosa

Incorrectly clustered instances : 50.0 33.3333 %