Weka Explorer

Preprocess | Classify | Cluster | Associate | Select attributes | Visualize

Open file... | Open URL... | Open DB... | Generate... | Undo | Edit... | Save...

Filter

Choose **None** | Apply | Stop

Current relation

Relation: iris
Instances: 150
Attributes: 5
Sum of weights: 150

Attributes

All | None | Invert | Pattern

No.	Name
1	sepallength
2	sepalwidth
3	petallength
4	petalwidth
5	class

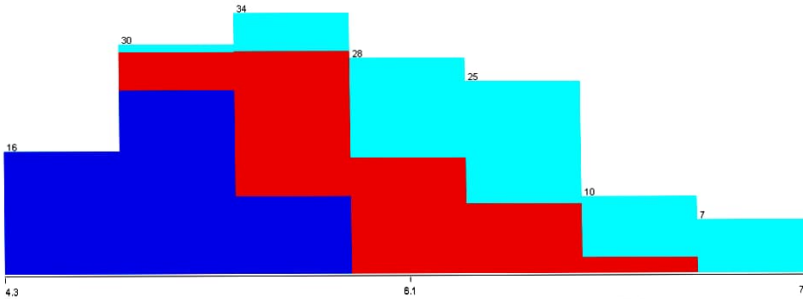
Remove

Selected attribute

Name: sepallength
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



Status
OK

Log

x

Weka Explorer

Preprocess | Classify | Cluster | Associate | Select attributes | Visualize

Clusterer

Choose **HierarchicalClusterer** -N 2 -L SINGLE -P -A "weka.core.EuclideanDistance -R first-last"

Cluster mode

- (•) Use training set
- ( ) Supplied test set — Set...
- ( ) Percentage split — % 66
- ( ) Classes to clusters evaluation
  (Nom) class
- [x] Store clusters for visualization

Ignore attributes

Start | Stop

Result list (right-click for options)

20:39:26 - HierarchicalClusterer

Clusterer output

```
=== Run information ===

Scheme:       weka.clusterers.HierarchicalClusterer -N 2 -L SINGLE -P -A "weka.core.EuclideanDistance -R first-last"
Relation:     iris
Instances:    150
Attributes:   5
              sepallength
              sepalwidth
              petallength
              petalwidth
              class
Test mode:    evaluate on training data


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

Cluster 0
((((((((((((((((((((0.0:0.03254,0.0:0.03254):0.00913,(0.0:0.03254,0.0:0.03254):0.00913):0.00332,((0.0:0.02778,0.0:0.02778):0.00476,0.0:0.03254):0.01244):0,0.0:0.

Cluster 1
(((((((((((((((((1.0:0.07344,(((1.0:0.06508,1.0:0.06508):0.00066,(1.0:0.05008,1.0:0.05008):0.01566):0.00224,1.0:0.06798):0.00546):0.00188,(1.0:0.07137,(1.0:0.055



Time taken to build model (full training data) : 0.05 seconds

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

Clustered Instances

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

Status
OK

Log

x 0

Weka Explorer

Preprocess | Classify | Cluster | Associate | Select attributes | Visualize

Plot Matrix

PlotSize: [100]

PointSize: [1]

Jitter:

Colour: class (Nom)

Class Colour

Iris-setosa Iris-versicolor Iris-virginica

Weka Explorer: Visualizing iris

X: sepallength (Num)

Y: sepallength (Num)

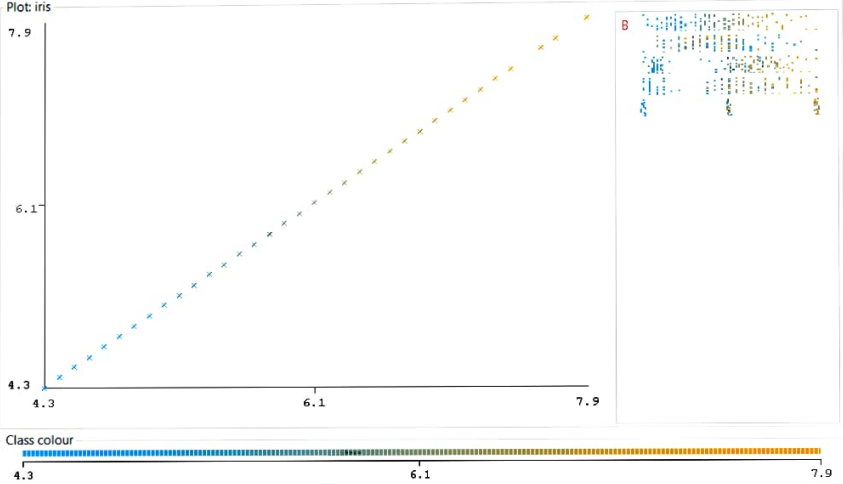
Colour: sepallength (Num)

Polygon

Reset | Clear | Open | Save

Jitter

Plot: iris



Class colour

Status

OK

Log

x 0

87°F Haze

ENG IN

20:45 27-09-2022