Weka Explorer

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

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 — Set...
- ( ) Percentage split — % 66
- ( ) Classes to clusters evaluation
  - (Nom) class
- [ ] Store clusters for visualization

Ignore attributes

Start | Stop

Result list (right-click for options)

- 13:23:16 - SimpleKMeans
- 13:23:41 - SimpleKMeans

Clusterer output

```
kMeans
======

Number of iterations: 7
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:
                                        Cluster#
Attribute               Full Data             0             1
                          (150.0)       (100.0)        (50.0)
=============================================================
sepallength                5.8433         6.262         5.006
sepalwidth                  3.054         2.872         3.418
petallength                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) : 0.01 seconds

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

Clustered Instances

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