

DATA ANALYSIS BY DENSITY BASED CLUSTERING ALGORITHM USING WEKA

Weka Explorer

Preprocess Classify **Cluster** Associate Select attributes Visualize

Clusterer

Choose **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

Cluster mode

☐ Use training set

☐ Supplied test set Set...

☐ Percentage split % 66

☒ **Classes to clusters evaluation**

(Nom) Train on a percentage of the data and cluster the remainder

☒ Store clusters for visualization

Ignore attributes

Start Stop

Result list (right-click for options)

08:53:20 - EM

Clusterer output

```
high      8
normal    8
[total]   16
windy
mon
       7
       9
[total]   16

Time taken to build model (full training data) : 0.04 seconds

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

Clustered Instances

0      14 (100%)

Log likelihood: -3.54934

Class attribute: play
Classes to Clusters:

0 <-- assigned to cluster
9 | yes
5 | no

Cluster 0 <-- yes

Incorrectly clustered instances :      5.0      35.7143 %
```

Status

OK Log

