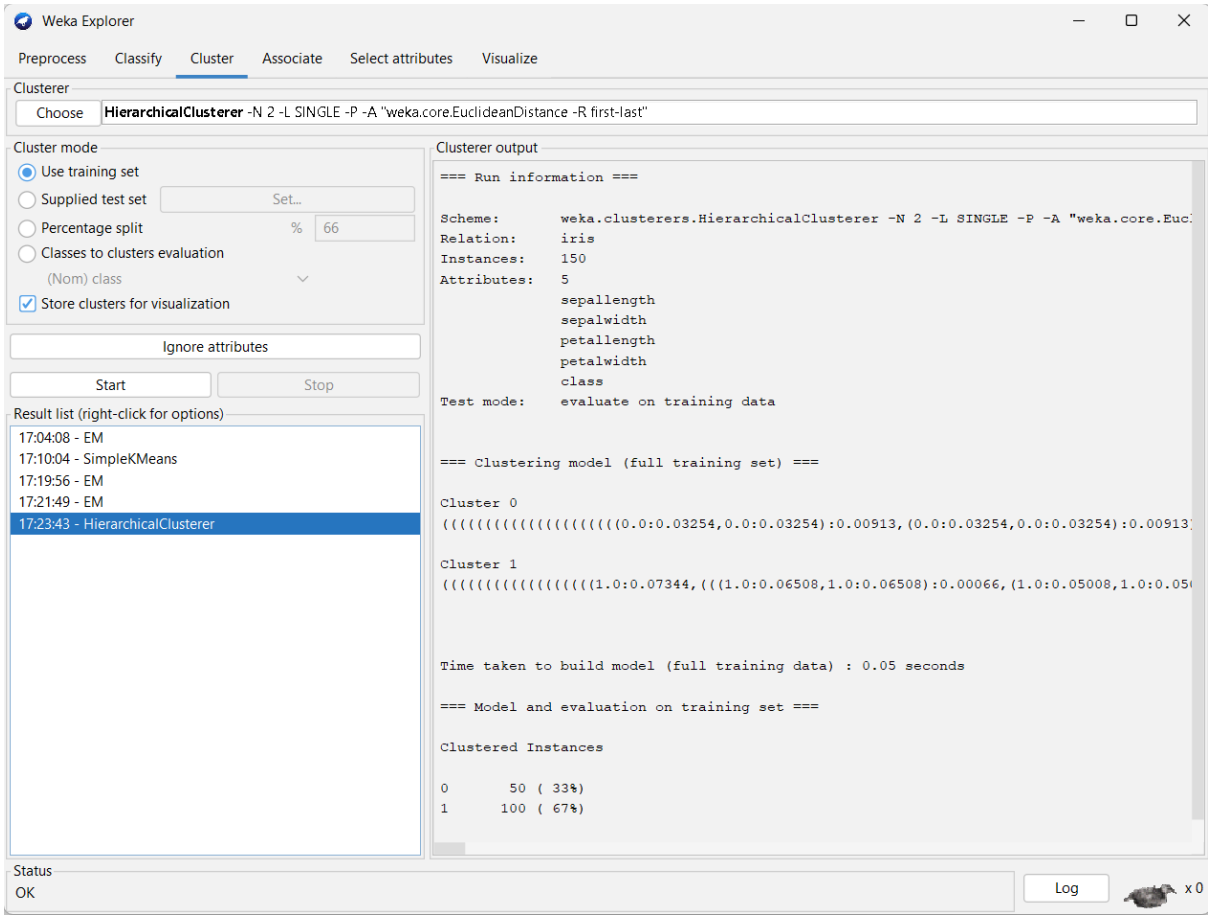
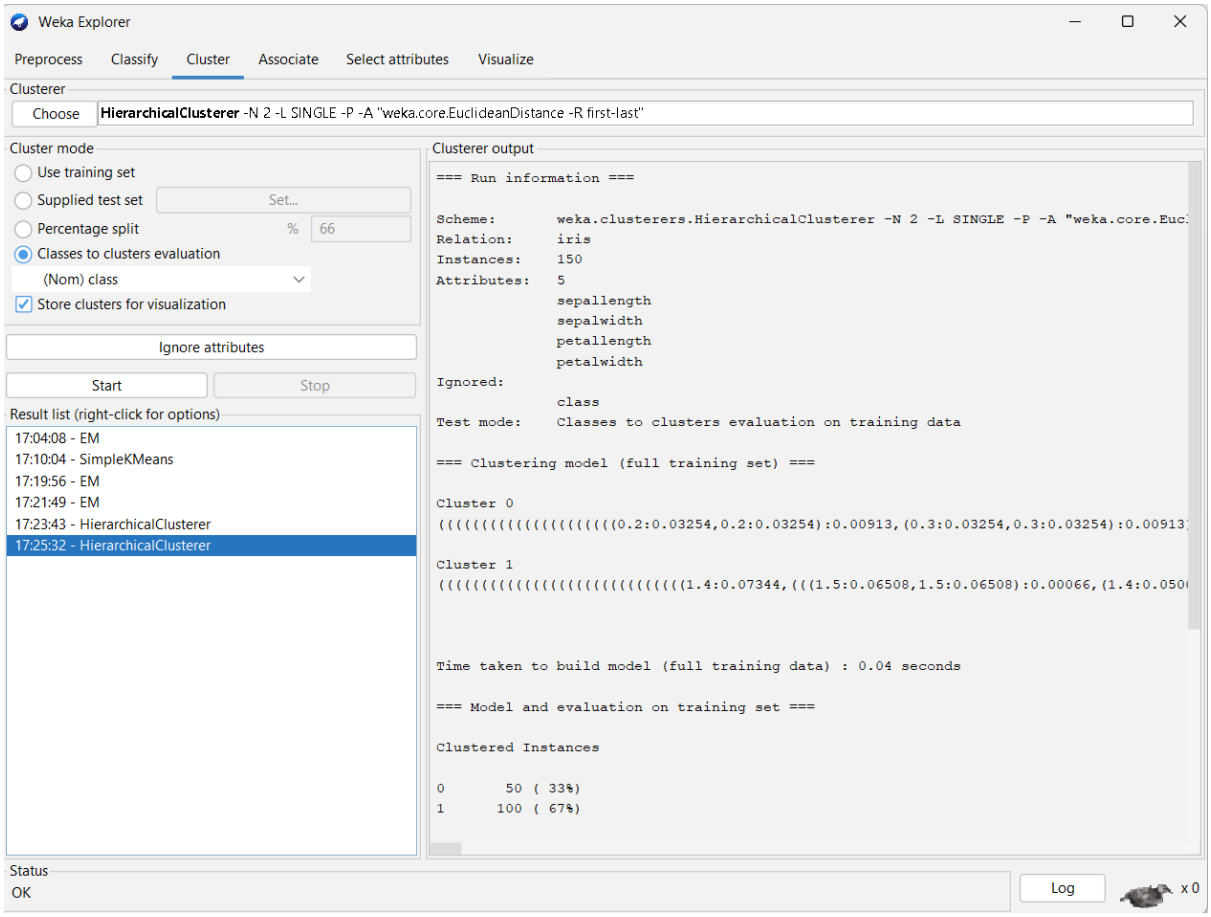
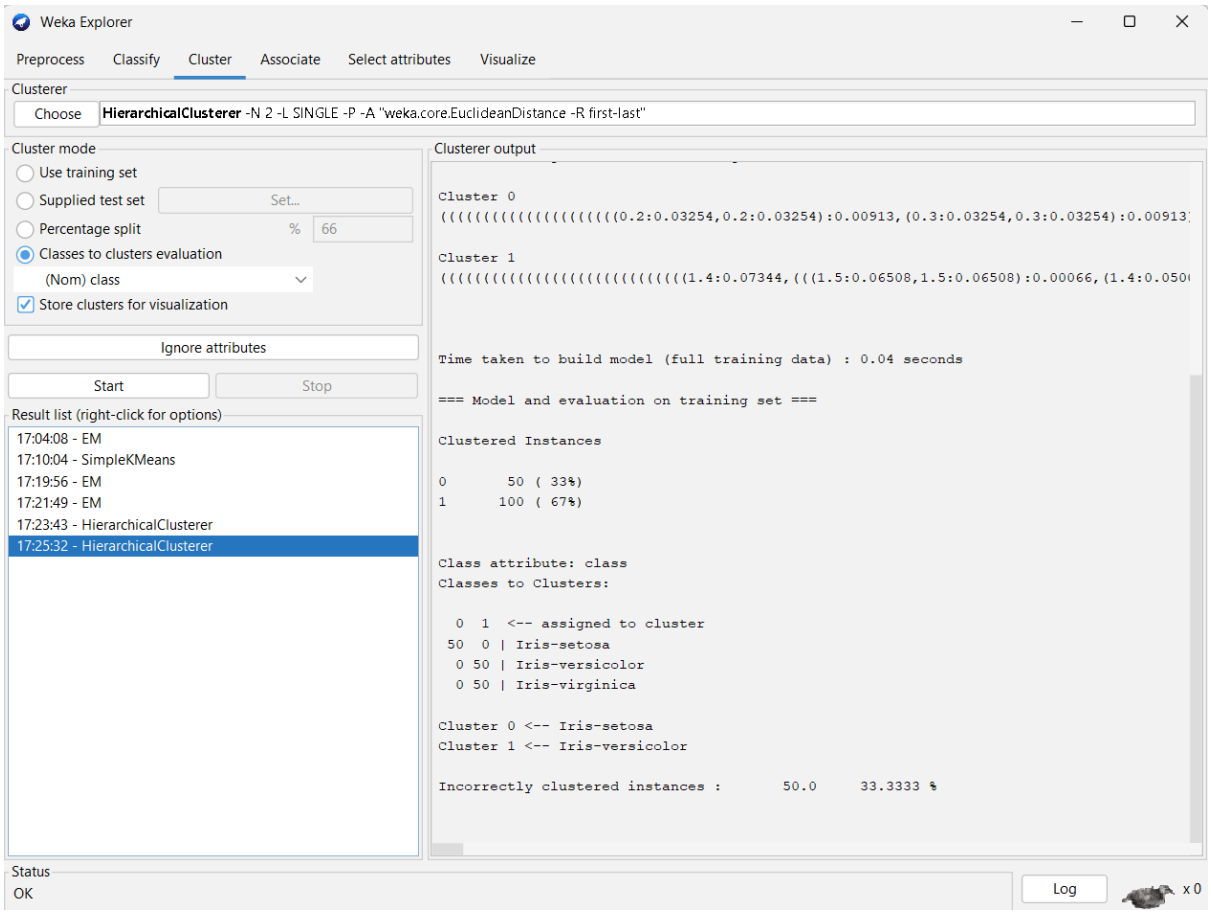
DWDM

WEKA – PROGRAM 24




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
Store clusters for visualization
Ignore attributes
Start
Stop
Result list (right-click for options)
17:04:08 - EM
17:10:04 - SimpleKMeans
17:19:56 - EM
17:21:49 - EM
17:23:43 - HierarchicalClusterer
17:25:32 - HierarchicalClusterer
Clusterer output
=== Run information ===
Scheme: weka.clusterers.HierarchicalClusterer -N 2 -L SINGLE -P -A "weka.core.Euc
Relation: iris
Instances: 150
Attributes: 5
sepallength
sepalwidth
petallength
petalwidth
Ignored:
class
Test mode: Classes to clusters evaluation on training data
=== Clustering model (full training set) ===
Cluster 0
((((((((((((((((((((0.2:0.03254,0.2:0.03254):0.00913,(0.3:0.03254,0.3:0.03254):0.00913
Cluster 1
((((((((((((((((((((((((((((1.4:0.07344,(((1.5:0.06508,1.5:0.06508):0.00066,(1.4:0.050
Time taken to build model (full training data) : 0.04 seconds
=== Model and evaluation on training set ===
Clustered Instances
0 50 (33%)
1 100 (67%)
Status
OK
Log
x 0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Time taken to build model (full training data) : 0.04 seconds
=== Model and evaluation on training set ===
Clustered Instances
0 50 (33%)
1 100 (67%)
Class attribute: class
Classes to Clusters:
0 1 <-- assigned to cluster
50 0 | Iris-setosa
0 50 | Iris-versicolor
0 50 | Iris-virginica
Cluster 0 <-- Iris-setosa
Cluster 1 <-- Iris-versicolor
Incorrectly clustered instances : 50.0 33.3333 %
Status
OK
Log
x 0