

SINGLE LINK

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 (None) contact-lenses
☒ Store clusters for visualization
Ignore attributes
Start Stop

Result list (right-click for options)
10:37:42 - HierarchicalClusterer

Clusterer output

Scheme: weka.clusterers.HierarchicalClusterer -N 2 -L SINGLE -P -A "weka.core.EuclideanDistance -R first-last"
Relation: contact-lenses
Instances: 24
Attributes: 5
age
spectacle-prescrip
astigmatism
tear-prod-rate
contact-lenses
Test mode: evaluate on training data

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

Cluster 0
{(((2.0:1,2.0:1):0,2.0:1):0,((2.0:1,2.0:1):0,2.0:1):0,((2.0:1,2.0:1):0,2.0:1):0):0,2.0:1}

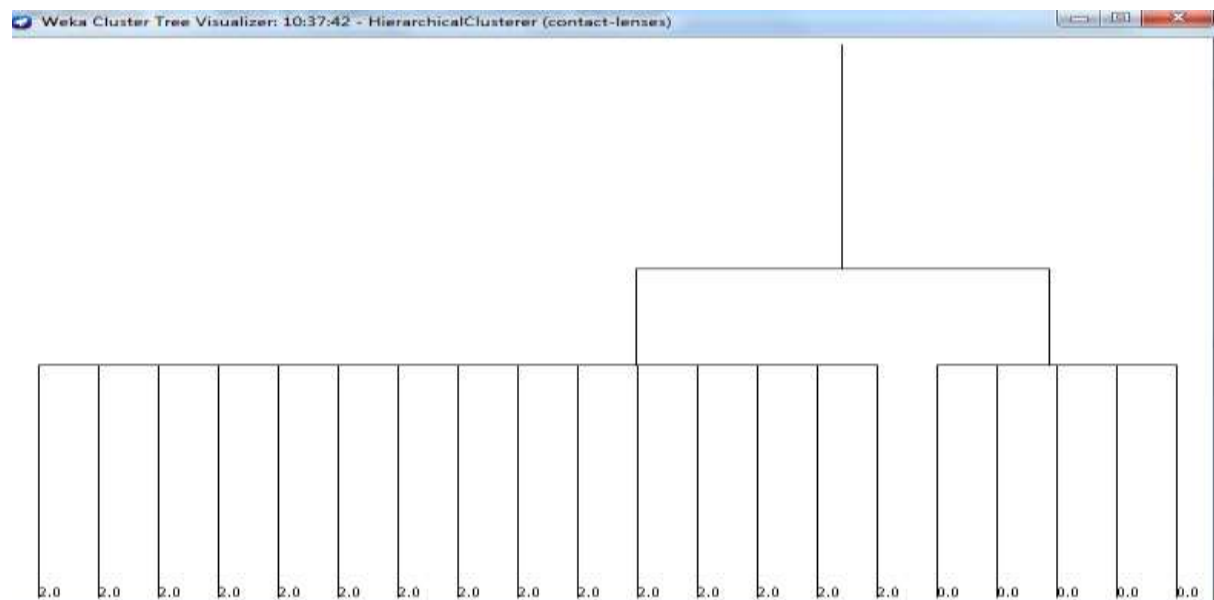
Cluster 1
{((1.0:1,1.0:1):0,1.0:1):0,1.0:1}

Time taken to build model (full training data) : 0 seconds

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

Clustered Instances

0	20 (83%)
1	4 (17%)



COMPLETE LINK

Weka Explorer

Preprocess Classify Cluster Associate Select attributes Visualize

Clusterer

Choose HierarchicalClusterer -N 2 -L COMPLETE -P -A "weka.core.EuclideanDistance -R first-test"

Cluster mode

☒ Use training set

☐ Supplied test set

☐ Percentage split

☐ Classes to clusters evaluation

(From) contact-lenses

☒ Store clusters for visualization

Ignore attributes

Start Stop

Result list (right-click for options)

10:37:42 - HierarchicalClusterer

10:42:12 - HierarchicalClusterer

Clusterer output

Scheme: weka.clusterers.HierarchicalClusterer -N 2 -L COMPLETE -P -A "weka.core.EucI

Relation: contact-lenses

Instances: 24

Attributes: 5

age

spectacle-prescrip

astigmatism

tear-prod-rate

contact-lenses

Test model: evaluate on training data

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

Cluster 0

{{(2.0:1,2.0:1):0.41421,(2.0:1,2.0:1):0.41421):0.31754,{{(2.0:1,2.0:1):0,2.0:1):0.73205,

Cluster 1

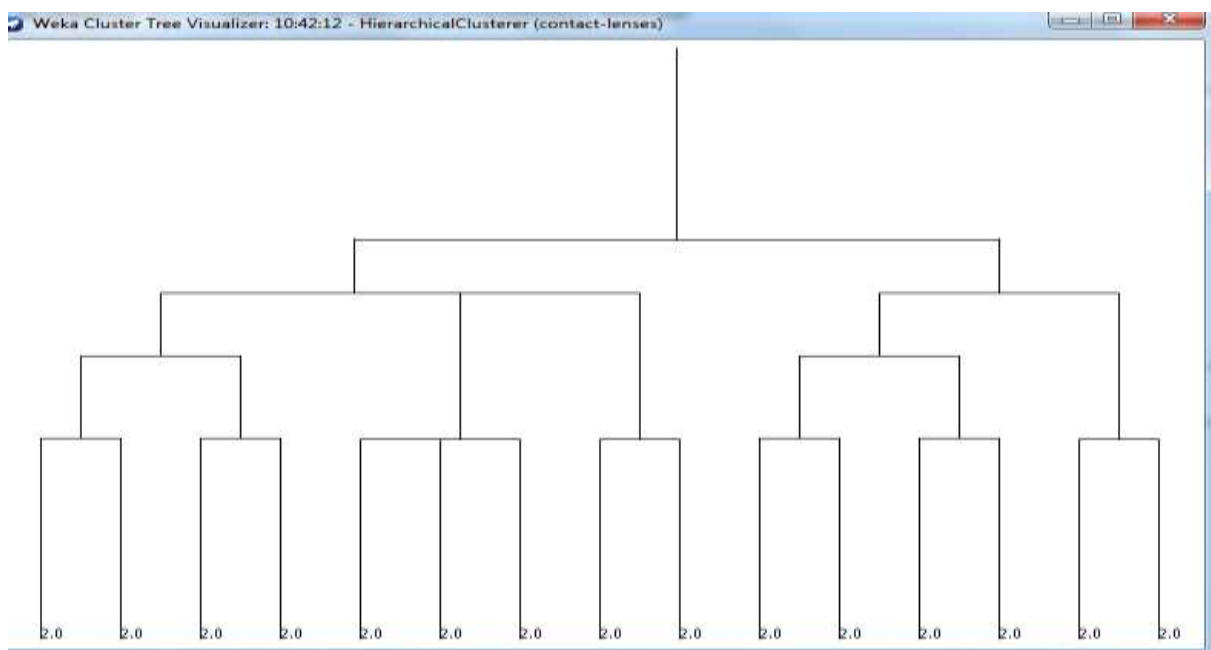
{{(0.0:1,0.0:1):0.41421,{{(0.0:1,0.0:1):0.41421,0.0:1-41421):0):0.88579,{{1.0:1,1.0:1):0.41

Time taken to build model (full training data) : 0 seconds

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

Clustered Instances

0	15	(63%)
1	9	(38%)



AVERAGE LINK

Weka Explorer

Preprocess Classify **Cluster** Associate Select attributes Visualize

Clusterer: **HierarchicalClusterer -N 2 -L AVERAGE -P -A "weka.core.EuclideanDistance -R first-last"**

Cluster mode

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

Ignore attributes

Start Stop

Result list (right-click for options)

- 10:37:42 - HierarchicalClusterer
- 10:42:12 - HierarchicalClusterer
- 10:43:57 - HierarchicalClusterer**

Clusterer output

Scheme: weka.clusterers.HierarchicalClusterer -N 2 -L AVERAGE -P -A "weka.core.EuclideanDistance -R first-last"

Relation: contact-lenses

Instances: 24

Attributes: 5

Test mode: evaluate on training data

--- Clustering model (full training set) ---

Cluster 0

Cluster 1

Time taken to build model (full training data) : 0 seconds

--- Model and evaluation on training set ---

Clustered Instances

Cluster	Count	Percentage
0	15	63%
1	9	38%

