

=== Run information ===

Scheme: weka.clusterers.Cobweb -A 1.0 -C 0.0028209479177387815 -S 42

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) ===

Number of merges: 1

Number of splits: 1

Number of clusters: 35

node 0 [24]

| node 1 [6]

| | leaf 2 [1]

| node 1 [6]

| | node 3 [3]

| | | leaf 4 [1]

| | node 3 [3]

| | | leaf 5 [1]

| | node 3 [3]

| | | leaf 6 [1]

| node 1 [6]

| | leaf 7 [1]  
| node 1 [6]  
| | leaf 8 [1]  
node 0 [24]  
| node 9 [14]  
| | node 10 [5]  
| | | leaf 11 [1]  
| | node 10 [5]  
| | | leaf 12 [1]  
| | node 10 [5]  
| | | node 13 [2]  
| | | | leaf 14 [1]  
| | | node 13 [2]  
| | | | leaf 15 [1]  
| | node 10 [5]  
| | | leaf 16 [1]  
| node 9 [14]  
| | node 17 [6]  
| | | node 18 [2]  
| | | | leaf 19 [1]  
| | | node 18 [2]  
| | | | leaf 20 [1]  
| | node 17 [6]  
| | | leaf 21 [1]  
| | node 17 [6]  
| | | node 22 [2]  
| | | | leaf 23 [1]  
| | | node 22 [2]  
| | | | leaf 24 [1]  
| | node 17 [6]  
| | | leaf 25 [1]

```
| node 9 [14]
| | node 26 [3]
| | | leaf 27 [1]
| | node 26 [3]
| | | leaf 28 [1]
| | node 26 [3]
| | | leaf 29 [1]
node 0 [24]
| node 30 [4]
| | leaf 31 [1]
| node 30 [4]
| | leaf 32 [1]
| node 30 [4]
| | leaf 33 [1]
| node 30 [4]
| | leaf 34 [1]
```

Time taken to build model (full training data) : 0.01 seconds

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

Clustered Instances

```
2    1 ( 4%)
4    1 ( 4%)
5    1 ( 4%)
6    1 ( 4%)
7    1 ( 4%)
8    1 ( 4%)
```

11	1 ( 4%)
12	2 ( 8%)
14	1 ( 4%)
15	1 ( 4%)
16	1 ( 4%)
19	1 ( 4%)
20	1 ( 4%)
23	1 ( 4%)
24	1 ( 4%)
25	1 ( 4%)
27	1 ( 4%)
28	1 ( 4%)
29	1 ( 4%)
31	1 ( 4%)
32	1 ( 4%)
33	1 ( 4%)
34	1 ( 4%)

Weka Explorer

Preprocess Classify **Cluster** Associate Select attributes Visualize

Clusterer

Choose **Cobweb -A 1.0 -C 0.0028209479177387815 -S 42**

Cluster mode

☒ Use training set

☐ Supplied test set Set...

☐ Percentage split % 66

☐ Classes to clusters evaluation (Nom) contact-lenses

☒ Store clusters for visualization

Ignore attributes

Start Stop

Result list (right-click for options)

12:14:56 - Cobweb

Clusterer output

```
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             age
             spectacle-prescrip
             astigmatism
             tear-prod-rate
             contact-lenses
Test mode:   evaluate on training data

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

Number of merges: 1
Number of splits: 1
Number of clusters: 35

node 0 [24]
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| | leaf 2 [1]
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| | | leaf 4 [1]
| | node 3 [3]
| | | leaf 5 [1]
| | node 3 [3]
| | | leaf 6 [1]
| node 1 [6]
| | leaf 7 [1]
```

83°F Cloudy

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12:15 20-09-2022