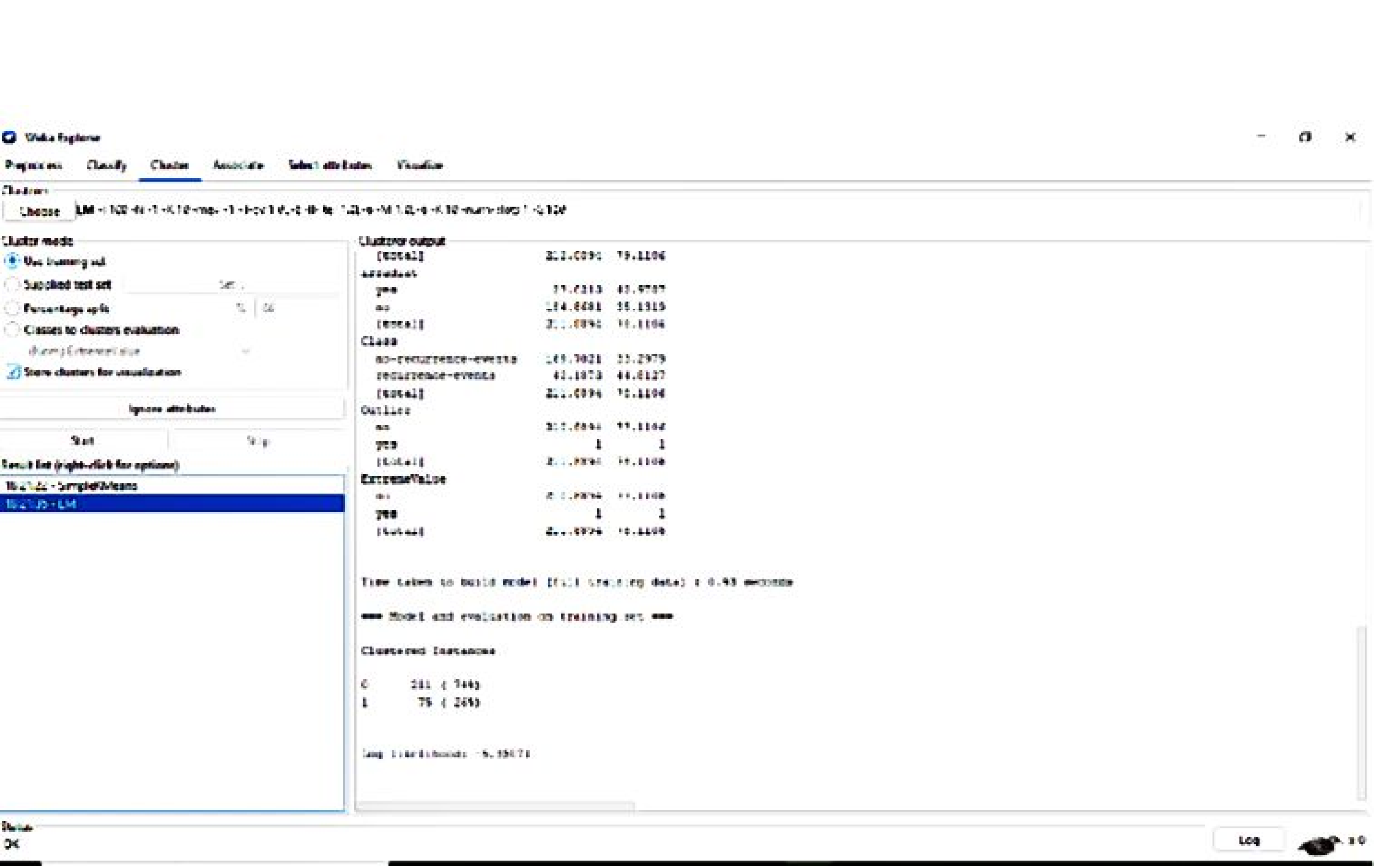
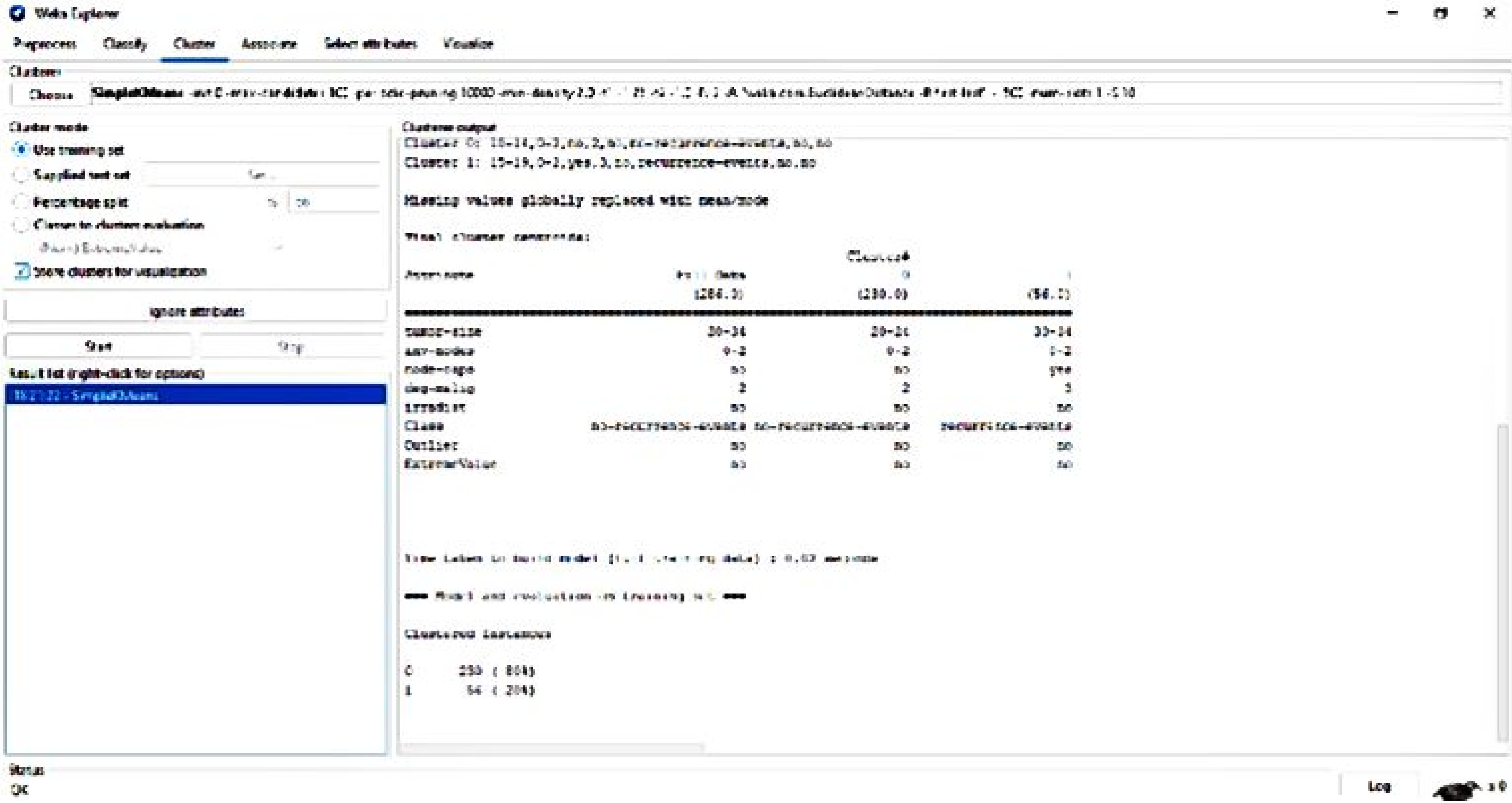
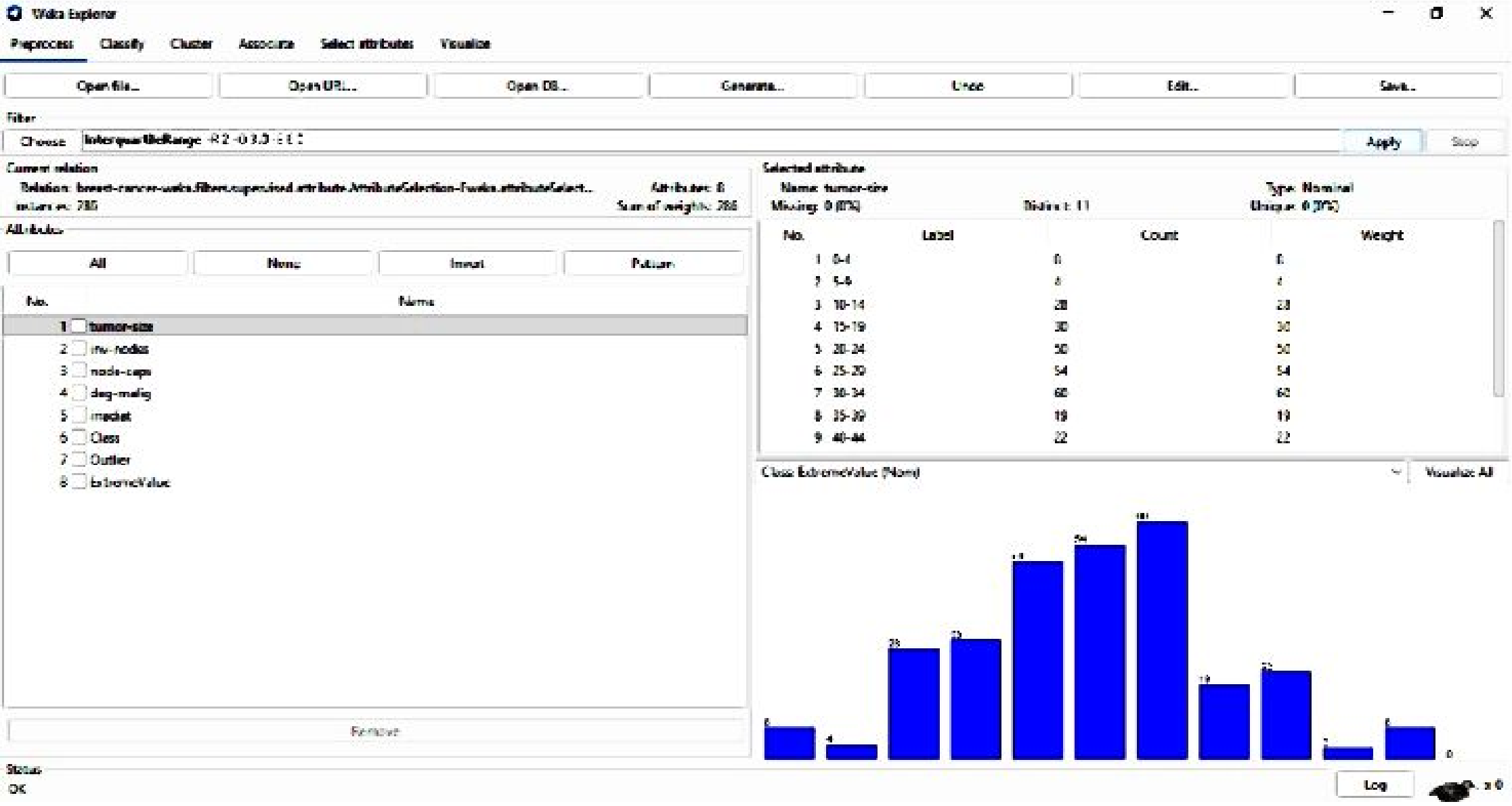
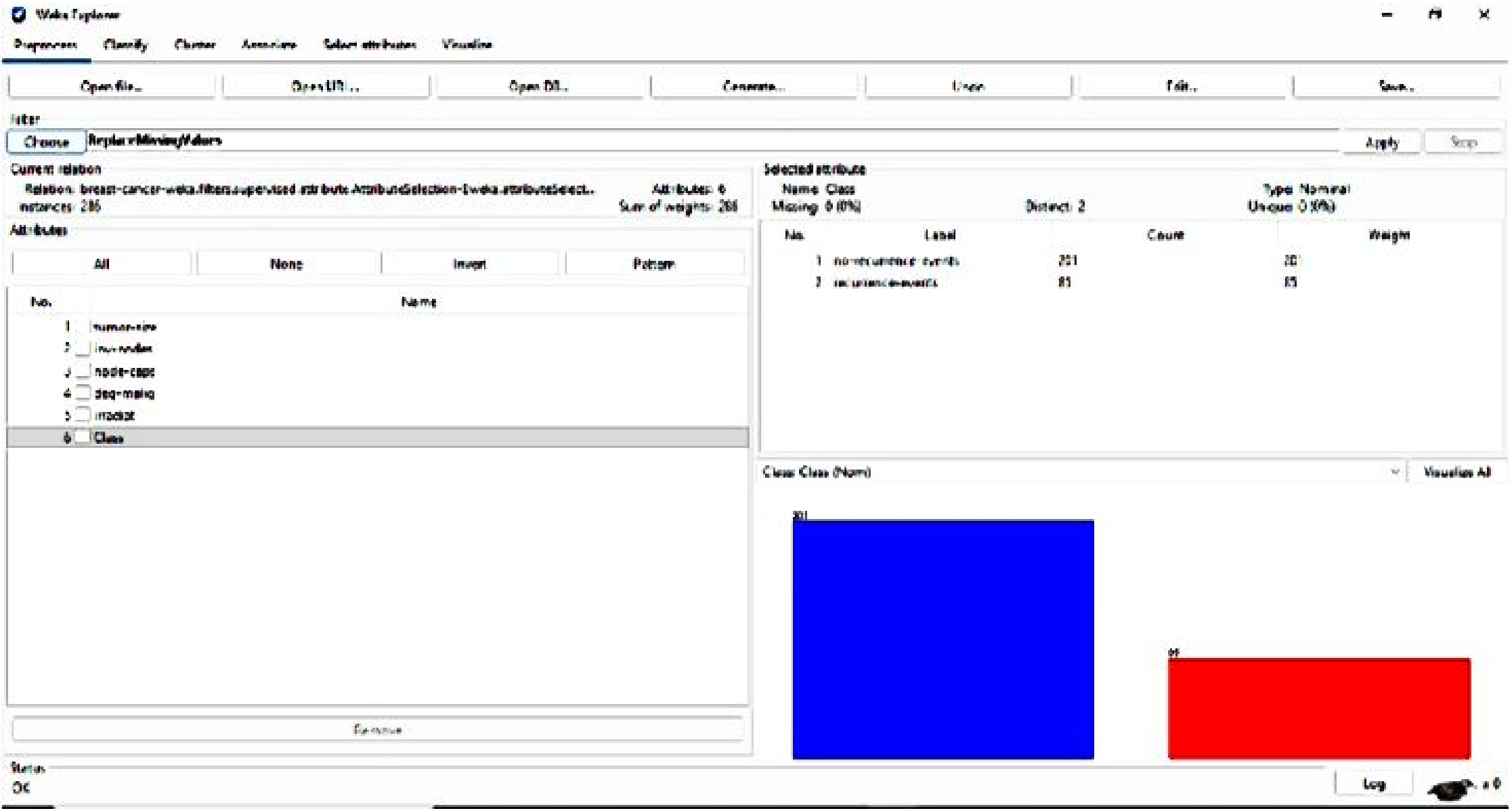
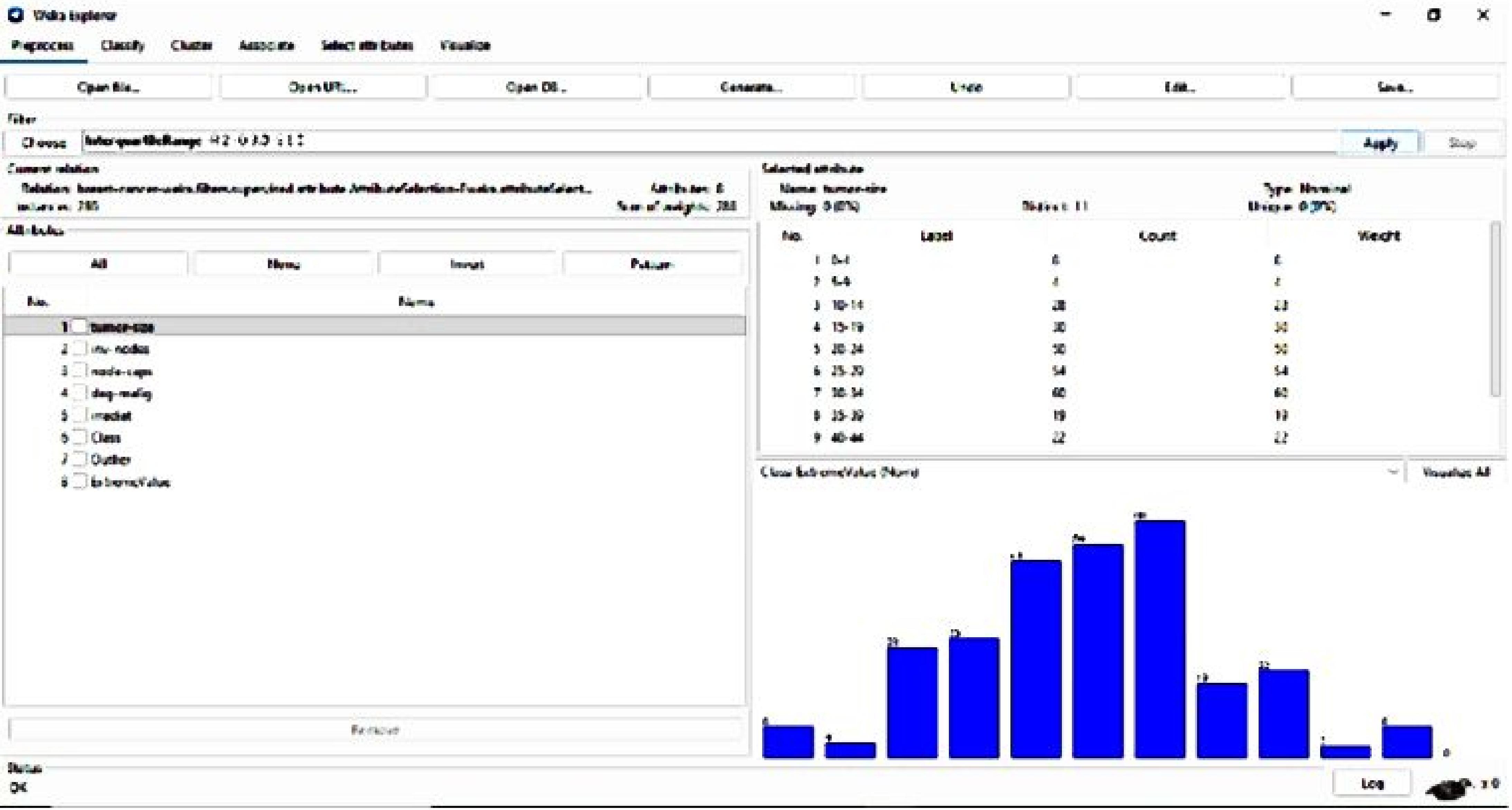

Weka Explorer
Preprocess
Classify
Cluster
Associate
Select attributes
Visualize
Clusterer
Choose
Cluster mode
Use training set
Supplied test set
Percentage split
Classes to clusters evaluation
Store clusters for visualization
Ignore attributes
Start
Result list (right-click for options)
Clusterer output
[total]
yes
no
Class
no-recurrence-events
recurrence-events
Outlier
Extreme Value
Time taken to build model
=== Model and evaluation on training set ===
Clustered Instances
0 211 (74%)
1 75 (26%)
Log likelihood:
Status
OK
Log
x 0


Weka Explorer
Preprocess
Classify
Cluster
Associate
Select attributes
Visualize
Clusterer
Choose
SimpleKMeans
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)
SimpleKMeans
Clusterer output
Cluster 1: 15-19,0-2,yes,3,no,recurrence-events,no,no
Missing values globally replaced with mean/mode
Final cluster centroids:
Cluster#
Full Data
0
1
(286.0)
(230.0)
(56.0)
tumor-size
inv-nodes
node-caps
deg-malig
irradiat
Class
Outlier
ExtremeValue
20-24
0-2
no
yes
2
3
no-recurrence-events
recurrence-events
Clustered Instances
0 230 (80%)
1 56 (20%)
Status
OK
Log


Weka Explorer
Preprocess
Classify
Cluster
Associate
Select attributes
Visualize
Open file...
Open URL...
Open DB...
Generate...
Undo
Edit...
Save...
Filter
Choose
Apply
Stop
Current relation
Selected attribute
Name: tumor-size
Type: Nominal
Missing: 0 (0%)
Distinct: 11
Unique: 0 (0%)
No.
Label
Count
Weight
1 0-4
2 5-9
3 10-14
4 15-19
5 20-24
6 25-29
7 30-34
8 35-39
9 40-44
All
None
Invert
Pattern
No.
Name
1 tumor-size
2 inv-nodes
3 node-caps
4 deg-malig
5 irradiat
6 Class
7 Outlier
8 ExtremeValue
Remove
Class: ExtremeValue (Nom)
Visualize All
Status
OK
Log
x 0


Weka Explorer
Preprocess
Classify
Cluster
Associate
Select attributes
Visualize
Open file...
Open URL...
Open DB...
Generate...
Undo
Edit...
Save...
Filter
Choose
Apply
Current relation
Relation: breast-cancer-weka.filters.supervised.attribute.AttributeSelection-Eweka.attributeSelect..
Instances: 286
Attributes: 6
Sum of weights: 286
Attributes
All
None
Invert
Pattern
No.
Name
1 menopause
2 inv-nodes
3 node-caps
4 deg-malig
5 irradiat
6 Class
Remove
Selected attribute
Name: Class
Missing: 0 (0%)
Distinct: 2
Type: Nominal
Unique: 0 (0%)
No.
Label
Count
Weight
1 no-recurrence-events
201
2 recurrence-events
85
Class: Class (Nom)
Visualize All
201
85
Status
OK
Log
x 0


Weka Explorer
Preprocess
Classify
Cluster
Associate
Select attributes
Visualize
Open file...
Open URL...
Open DB...
Generate...
Undo
Edit...
Save...
Filter
Choose
Apply
Stop
Current relation
Attributes
All
None
Invert
Pattern
No.
Name
tumor-size
inv-nodes
node-caps
deg-malig
Class
Outlier
ExtremeValue
Selected attribute
Label
Count
Weight
Remove
Status
OK
Log
Visualize All