EXPERIMENT-10

FREQUENT PATTERN MINING USING FP GROWTH THROUGH WEKA TOOL

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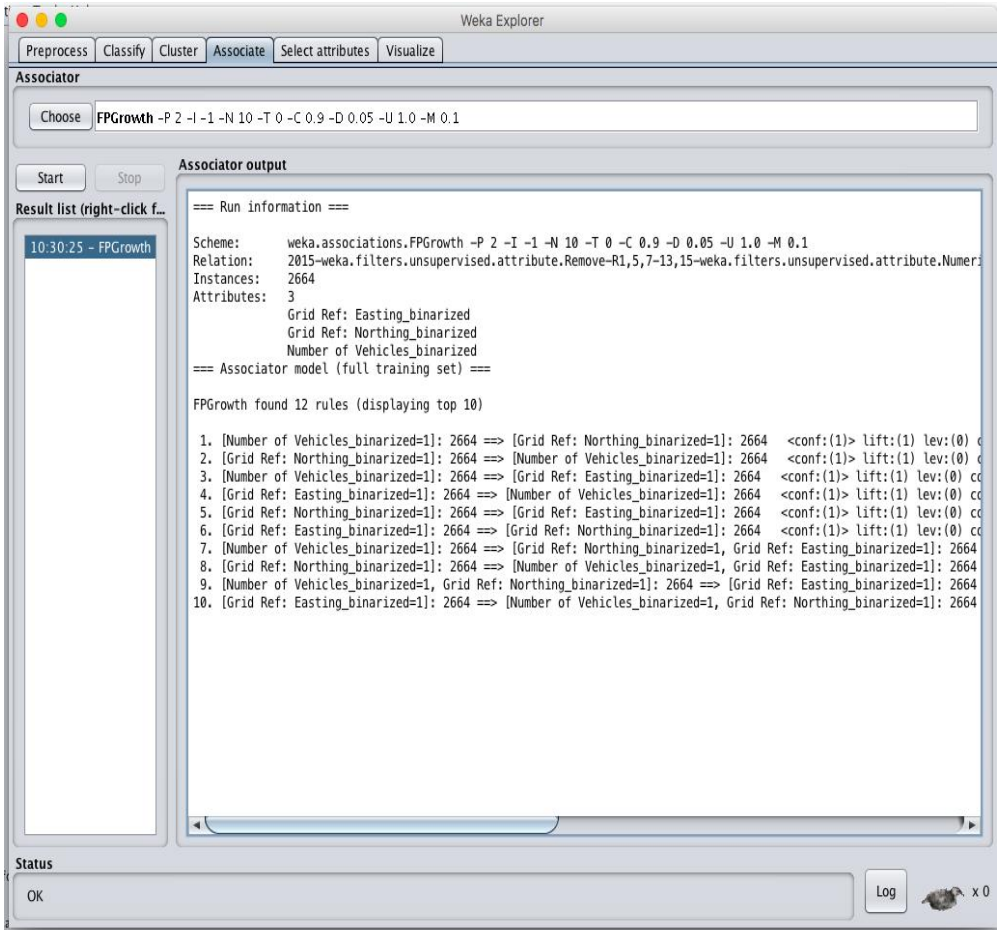
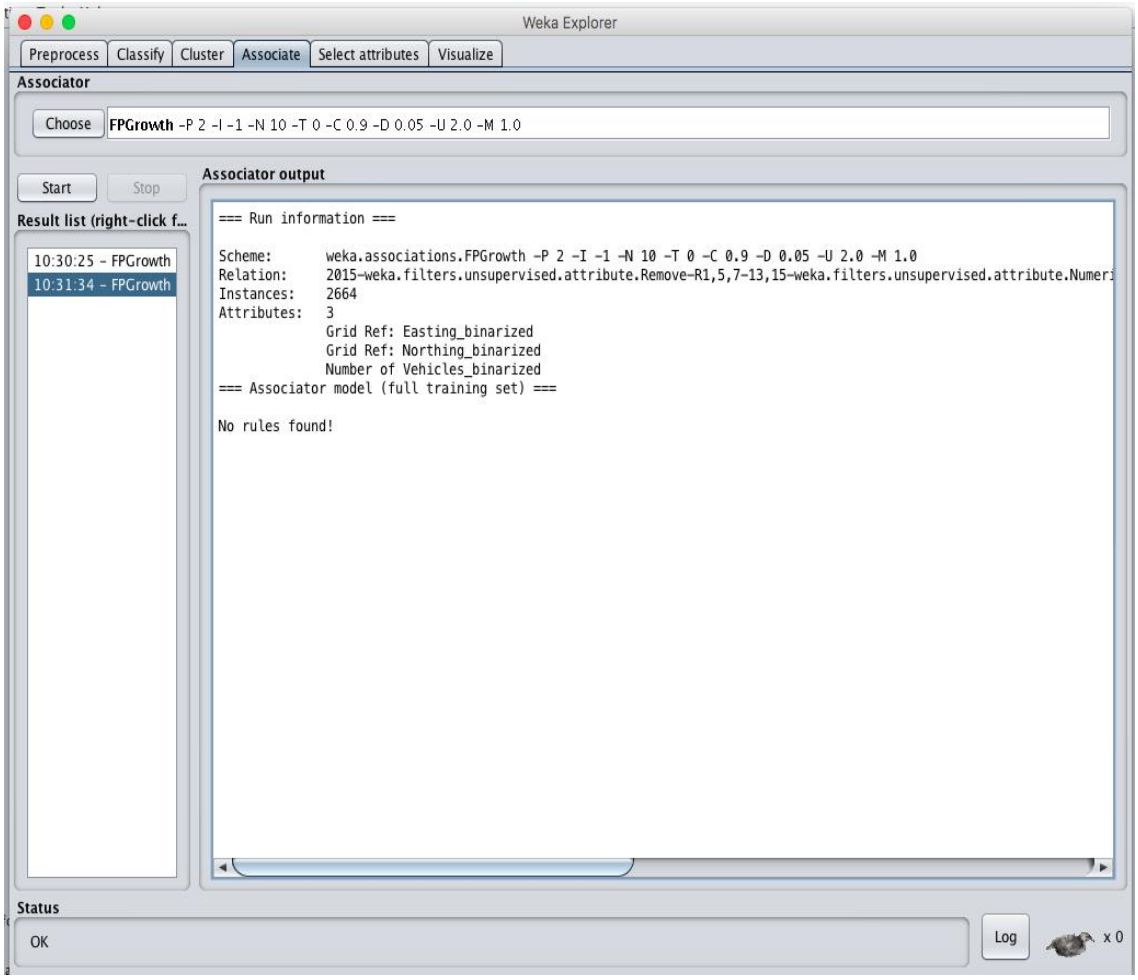
Subject: CSA1672, Data warehouse and data mining

OUTPUT:


Weka Explorer
Preprocess
Classify
Cluster
Associate
Select attributes
Visualize
Associator
Choose
FPGrowth -P 2 -I -1 -N 10 -T 0 -C 0.9 -D 0.05 -U 1.0 -M 0.1
Start
Stop
Result list (right-click f...
10:30:25 - FPGrowth
Associator output
=== Run information ===
Scheme: weka.associations.FPGrowth -P 2 -I -1 -N 10 -T 0 -C 0.9 -D 0.05 -U 1.0 -M 0.1
Relation: 2015-weka.filters.unsupervised.attribute.Remove-R1,5,7-13,15-weka.filters.unsupervised.attribute.Numeri
Instances: 2664
Attributes: 3
Grid Ref: Easting_binarized
Grid Ref: Northing_binarized
Number of Vehicles_binarized
=== Associator model (full training set) ===
FPGrowth found 12 rules (displaying top 10)
1. [Number of Vehicles_binarized=1]: 2664 ==> [Grid Ref: Northing_binarized=1]: 2664 <conf:(1)> lift:(1) lev:(0) c
2. [Grid Ref: Northing_binarized=1]: 2664 ==> [Number of Vehicles_binarized=1]: 2664 <conf:(1)> lift:(1) lev:(0) c
3. [Number of Vehicles_binarized=1]: 2664 ==> [Grid Ref: Easting_binarized=1]: 2664 <conf:(1)> lift:(1) lev:(0) co
4. [Grid Ref: Easting_binarized=1]: 2664 ==> [Number of Vehicles_binarized=1]: 2664 <conf:(1)> lift:(1) lev:(0) co
5. [Grid Ref: Northing_binarized=1]: 2664 ==> [Grid Ref: Easting_binarized=1]: 2664 <conf:(1)> lift:(1) lev:(0) co
6. [Grid Ref: Easting_binarized=1]: 2664 ==> [Grid Ref: Northing_binarized=1]: 2664 <conf:(1)> lift:(1) lev:(0) co
7. [Number of Vehicles_binarized=1]: 2664 ==> [Grid Ref: Northing_binarized=1, Grid Ref: Easting_binarized=1]: 2664
8. [Grid Ref: Northing_binarized=1]: 2664 ==> [Number of Vehicles_binarized=1, Grid Ref: Easting_binarized=1]: 2664
9. [Number of Vehicles_binarized=1, Grid Ref: Northing_binarized=1]: 2664 ==> [Grid Ref: Easting_binarized=1]: 2664
10. [Grid Ref: Easting_binarized=1]: 2664 ==> [Number of Vehicles_binarized=1, Grid Ref: Northing_binarized=1]: 2664
Status
OK
Log
x 0


weka.associations.FPGrowth
About
Class implementing the FP-growth algorithm for finding large item sets without candidate generation.
More
Capabilities
delta
0.05
doNotCheckCapabilities
False
findAllRulesForSupportLevel
False
lowerBoundMinSupport
1.0
maxNumberOfItems
-1
metricType
Confidence
minMetric
0.9
numRulesToFind
10
positiveIndex
2
rulesMustContain
transactionsMustContain
upperBoundMinSupport
2.0
useORForMustContainList
False
Open...
Save...
OK
Cancel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Start
Stop
Result list (right-click f...
10:30:25 - FPGrowth
10:31:34 - FPGrowth
Associator output
=== Run information ===
Scheme: weka.associations.FPGrowth -P 2 -I -1 -N 10 -T 0 -C 0.9 -D 0.05 -U 2.0 -M 1.0
Relation: 2015-weka.filters.unsupervised.attribute.Remove-R1,5,7-13,15-weka.filters.unsupervised.attribute.Numeri
Instances: 2664
Attributes: 3
Grid Ref: Easting_binarized
Grid Ref: Northing_binarized
Number of Vehicles_binarized
=== Associator model (full training set) ===
No rules found!
Status
OK
Log
x 0