WEKA – PROGRAM 26

weka.gui.GenericObjectEditor

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	0.1
maxNumberOfItems	-1
metricType	Confidence
minMetric	0.9
numRulesToFind	10
positiveIndex	2
rulesMustContain	
transactionsMustContain	
upperBoundMinSupport	1.0
useORForMustContainList	False

[Open...] [Save...] [OK] [Cancel]

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 for ...

17:30:23 - Apriori
17:32:42 - Apriori
17:34:41 - Apriori
17:36:24 - 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:     shopping
Instances:    8
Attributes:   5
              milk
              bread
              honey
              ghee
              jam
=== Associator model (full training set) ===


FPGrowth found 10 rules (displaying top 10)

 1. [milk=no]: 3 ==> [jam=no]: 3    <conf:(1)> lift:(1.14) lev:(0.05) conv:(0.38)
 2. [bread=no]: 2 ==> [jam=no]: 2    <conf:(1)> lift:(1.14) lev:(0.03) conv:(0.25)
 3. [bread=no]: 2 ==> [ghee=no]: 2    <conf:(1)> lift:(1.33) lev:(0.06) conv:(0.5)
 4. [ghee=no, milk=no]: 2 ==> [jam=no]: 2    <conf:(1)> lift:(1.14) lev:(0.03) conv:(0.25)
 5. [bread=no]: 2 ==> [jam=no, ghee=no]: 2    <conf:(1)> lift:(1.6) lev:(0.09) conv:(0.75)
 6. [jam=no, bread=no]: 2 ==> [ghee=no]: 2    <conf:(1)> lift:(1.33) lev:(0.06) conv:(0.5)
 7. [ghee=no, bread=no]: 2 ==> [jam=no]: 2    <conf:(1)> lift:(1.14) lev:(0.03) conv:(0.25)
 8. [honey=no, milk=no]: 2 ==> [jam=no]: 2    <conf:(1)> lift:(1.14) lev:(0.03) conv:(0.25)
 9. [jam=no, ghee=no, honey=no]: 1 ==> [milk=no]: 1    <conf:(1)> lift:(2.67) lev:(0.08) conv:(0.63)
10. [ghee=no, honey=no, milk=no]: 1 ==> [jam=no]: 1    <conf:(1)> lift:(1.14) lev:(0.02) conv:(0.13)
```

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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]

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 2.0 -M 1.0

Start | Stop

Result list (right-click for ...

17:30:23 - Apriori
17:32:42 - Apriori
17:34:41 - Apriori
17:36:24 - FPGrowth
17:38:15 - 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:      shopping
Instances:     8
Attributes:    5
               milk
               bread
               honey
               ghee
               jam
=== Associator model (full training set) ===


No rules found!
```