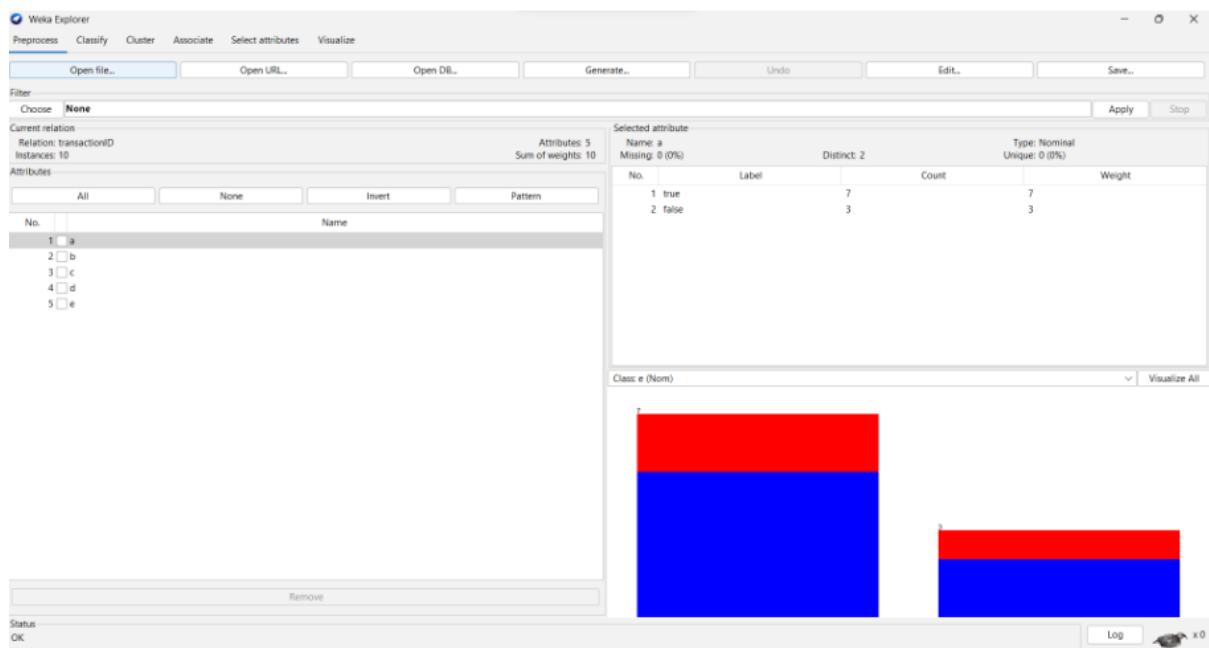


Aprior tree

```
@relation transactionID
@attribute a{true,false}
@attribute b{true,false}
@attribute c{true,false}
@attribute d{true,false}
@attribute e{true,false}
@data
true false false true true
true true true false true
true true false true true
true false true true true
false true true false true
false true false true true
false false true true false
true true true false false
true false false true true
true true true false false
```



Apriori tree

Weka Explorer

Preprocess Classify Cluster **Associate** Select attributes Visualize

Associator

Choose **Apriori** -N 10 -T 0 -C 0.5 -D 0.05 -U 1.0 -M 0.3 -S -1.0 -c -1

Start Stop

Result list (right-click for ...)

- 12:12:35 - Apriori
- 12:12:55 - Apriori

Associator output

Relation: transactionID

Instances: 10

Attributes: 5

a
b
c
d
e

=== Associator model (full training set) ===

Apriori

=====

Minimum support: 0.45 (4 instances)
Minimum metric <confidence>: 0.5
Number of cycles performed: 11

Generated sets of large itemsets:

Size of set of large itemsets L(1): 8

Size of set of large itemsets L(2): 12

Size of set of large itemsets L(3): 3

Best rules found:

1. d=false 4 ==> b=true 4 <conf:(1)> lift:(1.67) lev:(0.16) [1] conv:(1.6)
2. b=false 4 ==> d=true 4 <conf:(1)> lift:(1.67) lev:(0.16) [1] conv:(1.6)
3. d=false 4 ==> c=true 4 <conf:(1)> lift:(1.67) lev:(0.16) [1] conv:(1.6)
4. a=false 4 ==> d=true 4 <conf:(1)> lift:(1.67) lev:(0.16) [1] conv:(1.6)
5. c=false 4 ==> e=true 4 <conf:(1)> lift:(1.43) lev:(0.12) [1] conv:(1.2)
6. a=true d=true 4 ==> a=true 4 <conf:(1)> lift:(1.43) lev:(0.12) [1] conv:(1.2)
7. c=true d=false 4 ==> b=true 4 <conf:(1)> lift:(1.67) lev:(0.16) [1] conv:(1.6)
8. b=true d=false 4 ==> c=true 4 <conf:(1)> lift:(1.67) lev:(0.16) [1] conv:(1.6)
9. b=true c=true 4 ==> d=false 4 <conf:(1)> lift:(2.5) lev:(0.24) [2] conv:(2.4)
10. d=false 4 ==> b=true c=true 4 <conf:(1)> lift:(2.5) lev:(0.24) [2] conv:(2.4)

Status

OK

Fpgrowth:

Weka Explorer

Preprocess Classify Cluster **Associate** Select attributes Visualize

Associator

Choose **FPGrowth** -P 2 -I -1 -N 10 -T 0 -C 0.5 -D 0.05 -U 1.0 -M 0.3

Start Stop

Result list (right-click for ...)

- 12:12:35 - Apriori
- 12:12:55 - Apriori
- 12:14:25 - FPGrowth
- 12:14:44 - FPGrowth

Associator output

=== Run information ===

Scheme: weka.associations.FPGrowth -P 2 -I -1 -N 10 -T 0 -C 0.5 -D 0.05 -U 1.0 -M 0.3

Relation: transactionID

Instances: 10

Attributes: 5

a
b
c
d
e

=== Associator model (full training set) ===

FPGrowth found 3 rules (displaying top 3)

1. [b=false, c=false]: 1 ==> [a=false]: 1 <conf:(1)> lift:(3.33) lev:(0.07) conv:(0.7)
2. [b=false, a=false]: 1 ==> [a=false]: 1 <conf:(1)> lift:(3.33) lev:(0.07) conv:(0.7)
3. [c=false, a=false]: 1 ==> [b=false]: 1 <conf:(1)> lift:(2.5) lev:(0.06) conv:(0.6)

Status

OK

Log