

Apriori

1) Vote.arff RDG1 generator

Associator

Choose **Apriori-N10-T0-C0.9-D0.05-U1.0-M0.1-S-1.0-c-1**

Start Stop

Result list (right-click...)

12:52:29 - Apriori

Associator output

```
Apriori
=====
Minimum support: 0.2 (20 instances)
Minimum metric <confidence>: 0.9
Number of cycles performed: 16

Generated sets of large itemsets:

Size of set of large itemsets L(1): 22

Size of set of large itemsets L(2): 182

Size of set of large itemsets L(3): 56

Best rules found:

1. a1=false a5=false 24 ==> class=c0 24 <conf:(1)> lift:(1.52) lev:(0.08) [8] conv:(8.16)
2. a5=false a8=false 24 ==> class=c0 24 <conf:(1)> lift:(1.52) lev:(0.08) [8] conv:(8.16)
3. a5=false a6=false 23 ==> class=c0 23 <conf:(1)> lift:(1.52) lev:(0.08) [7] conv:(7.82)
4. a8=false class=c1 22 ==> a5=true 22 <conf:(1)> lift:(1.79) lev:(0.1) [9] conv:(9.68)
5. a5=false a7=true 21 ==> class=c0 21 <conf:(1)> lift:(1.52) lev:(0.07) [7] conv:(7.14)
6. a5=false a9=false 21 ==> class=c0 21 <conf:(1)> lift:(1.52) lev:(0.07) [7] conv:(7.14)
7. a3=false a5=false 20 ==> class=c0 20 <conf:(1)> lift:(1.52) lev:(0.07) [6] conv:(6.8)
8. a6=false class=c1 20 ==> a5=true 20 <conf:(1)> lift:(1.79) lev:(0.09) [8] conv:(8.8)
9. a2=false a5=false 27 ==> class=c0 26 <conf:(0.96)> lift:(1.46) lev:(0.08) [8] conv:(4.59)
10. a4=false a5=false 23 ==> class=c0 22 <conf:(0.96)> lift:(1.45) lev:(0.07) [6] conv:(3.91)
```

LED24 generator

Associator

Choose **Apriori-N10-T0-C0.9-D0.05-U1.0-M0.1-S-1.0-c-1**

Start Stop

Result list (right-click...)

12:52:29 - Apriori
12:53:48 - Apriori

Associator output

```
Apriori
=====
Minimum support: 0.35 (35 instances)
Minimum metric <confidence>: 0.9
Number of cycles performed: 13

Generated sets of large itemsets:

Size of set of large itemsets L(1): 45

Size of set of large itemsets L(2): 134

Size of set of large itemsets L(3): 30

Best rules found:

1. att5=0 att15=1 36 ==> att6=1 35 <conf:(0.97)> lift:(1.16) lev:(0.05) [4] conv:(2.88)
2. att5=0 att22=1 38 ==> att6=1 36 <conf:(0.95)> lift:(1.13) lev:(0.04) [4] conv:(2.03)
3. att20=1 47 ==> att6=1 44 <conf:(0.94)> lift:(1.11) lev:(0.05) [4] conv:(1.88)
4. att2=0 45 ==> att3=1 42 <conf:(0.93)> lift:(1.18) lev:(0.06) [6] conv:(2.36)
5. att11=1 44 ==> att6=1 41 <conf:(0.93)> lift:(1.11) lev:(0.04) [4] conv:(1.76)
6. att5=0 58 ==> att6=1 54 <conf:(0.93)> lift:(1.11) lev:(0.05) [5] conv:(1.86)
7. att4=1 att7=1 42 ==> att1=1 39 <conf:(0.93)> lift:(1.31) lev:(0.09) [9] conv:(3.04)
8. att15=1 att16=1 39 ==> att6=1 36 <conf:(0.92)> lift:(1.1) lev:(0.03) [3] conv:(1.56)
9. att4=0 38 ==> att6=1 35 <conf:(0.92)> lift:(1.1) lev:(0.03) [3] conv:(1.52)
10. att7=1 att22=1 38 ==> att1=1 35 <conf:(0.92)> lift:(1.3) lev:(0.08) [8] conv:(2.75)
```

2) Soyabean.arff RDG1 generator

Associator

Choose **Apriori-N10-T0-C0.9-D0.05-U1.0-M0.1-S-1.0-c-1**

Start Stop

Result list (right-click...)

12:55:11 - Apriori

Associator output

Apriori
=====

Minimum support: 0.2 (20 instances)
Minimum metric <confidence>: 0.9
Number of cycles performed: 16

Generated sets of large itemsets:

Size of set of large itemsets L(1): 22
Size of set of large itemsets L(2): 182
Size of set of large itemsets L(3): 56

Best rules found:

1. a1=false a5=false 24 ==> class=c0 24 <conf:(1)> lift:(1.52) lev:(0.08) [8] conv:(8.16)
2. a5=false a8=false 24 ==> class=c0 24 <conf:(1)> lift:(1.52) lev:(0.08) [8] conv:(8.16)
3. a5=false a6=false 23 ==> class=c0 23 <conf:(1)> lift:(1.52) lev:(0.08) [7] conv:(7.82)
4. a8=false class=c1 22 ==> a5=true 22 <conf:(1)> lift:(1.79) lev:(0.1) [9] conv:(9.68)
5. a5=false a7=true 21 ==> class=c0 21 <conf:(1)> lift:(1.52) lev:(0.07) [7] conv:(7.14)
6. a5=false a9=false 21 ==> class=c0 21 <conf:(1)> lift:(1.52) lev:(0.07) [7] conv:(7.14)
7. a3=false a5=false 20 ==> class=c0 20 <conf:(1)> lift:(1.52) lev:(0.07) [6] conv:(6.8)
8. a6=false class=c1 20 ==> a5=true 20 <conf:(1)> lift:(1.79) lev:(0.09) [8] conv:(8.8)
9. a2=false a5=false 27 ==> class=c0 26 <conf:(0.96)> lift:(1.46) lev:(0.08) [8] conv:(4.59)
10. a4=false a5=false 23 ==> class=c0 22 <conf:(0.96)> lift:(1.45) lev:(0.07) [6] conv:(3.91)

LED24 generator

Associator

Choose **Apriori-N10-T0-C0.9-D0.05-U1.0-M0.1-S-1.0-c-1**

Start Stop

Result list (right-click...)

12:55:11 - Apriori
12:56:23 - Apriori

Associator output

Apriori
=====

Minimum support: 0.35 (35 instances)
Minimum metric <confidence>: 0.9
Number of cycles performed: 13

Generated sets of large itemsets:

Size of set of large itemsets L(1): 45
Size of set of large itemsets L(2): 134
Size of set of large itemsets L(3): 30

Best rules found:

1. att5=0 att15=1 36 ==> att6=1 35 <conf:(0.97)> lift:(1.16) lev:(0.05) [4] conv:(2.88)
2. att5=0 att22=1 38 ==> att6=1 36 <conf:(0.95)> lift:(1.13) lev:(0.04) [4] conv:(2.03)
3. att20=1 47 ==> att6=1 44 <conf:(0.94)> lift:(1.11) lev:(0.05) [4] conv:(1.88)
4. att2=0 45 ==> att3=1 42 <conf:(0.93)> lift:(1.18) lev:(0.06) [6] conv:(2.36)
5. att11=1 44 ==> att6=1 41 <conf:(0.93)> lift:(1.11) lev:(0.04) [4] conv:(1.76)
6. att5=0 58 ==> att6=1 54 <conf:(0.93)> lift:(1.11) lev:(0.05) [5] conv:(1.86)
7. att4=1 att7=1 42 ==> att1=1 39 <conf:(0.93)> lift:(1.31) lev:(0.09) [9] conv:(3.04)
8. att15=1 att16=1 39 ==> att6=1 36 <conf:(0.92)> lift:(1.1) lev:(0.03) [3] conv:(1.56)
9. att4=0 38 ==> att6=1 35 <conf:(0.92)> lift:(1.1) lev:(0.03) [3] conv:(1.52)
10. att7=1 att22=1 38 ==> att1=1 35 <conf:(0.92)> lift:(1.3) lev:(0.08) [8] conv:(2.75)