

Weka Explorer

Preprocess

Classify

Cluster

Associate

Select attributes

Visualize

Clusterer

Choose

EM -I 100 -N -1 -X 10 -max -1 -ll-cv 1.0E-6 -ll-iter 1.0E-6 -M 1.0E-6 -K 10 -num-slots 1 -S 100

Cluster mode

☒ Use training set

☐ Supplied test set 

Set...

☐ Percentage split % 

66

☐ Classes to clusters evaluation  
(Norm) jam 

▼

☒ Store clusters for visualization

Ignore attributes

Start

Stop

Result list (right-click for options)

13:35:49 - EM

Clusterer output

Number of clusters selected by cross validation: 1

Number of iterations performed: 1

Cluster

Attribute 0

(1)

=====

milk

yes 6

no 4

[total] 10

bread

yes 7

no 3

[total] 10

honey

yes 5

no 5

[total] 10

ghee

yes 3

no 7

[total] 10

jam

yes 2

no 8

[total] 10

Time taken to build model (full training data) : 0 seconds

=== Model and evaluation on training set ===

Clustered Instances

0 8 (100%)

Log likelihood: -2.88945

Status

OK

Log

x 0

Search

82°

1:35 PM

2/3/2023

Associator

Choose **Apriori** -N 10 -T 0 -C 0.9 -D 0.05 -U 1.0 -M 0.1 -S -1.0 -c -1

Start

Stop

Result list (right-click for ...)

13:36:13 - Apriori

Associator output

```
Scheme:      weka.associations.Apriori -N 10 -T 0 -C 0.9 -D 0.05 -U 1.0 -M 0.1 -S -1.0 -c -1
Relation:    shopping
Instances:    8
Attributes:   5
              milk
              bread
              honey
              ghee
              jam
```

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

Apriori

```
Minimum support: 0.4 (3 instances)
```

```
Minimum metric <confidence>: 0.9
```

Number of cycles performed: 12

```
Generated sets of large itemsets:
```

```
Size of set of large itemsets L(1): 7
```

```
Size of set of large itemsets L(2): 13
```

```
Size of set of large itemsets L(3): 7
```

```
Size of set of large itemsets L(4): 1
```

Best rules found:

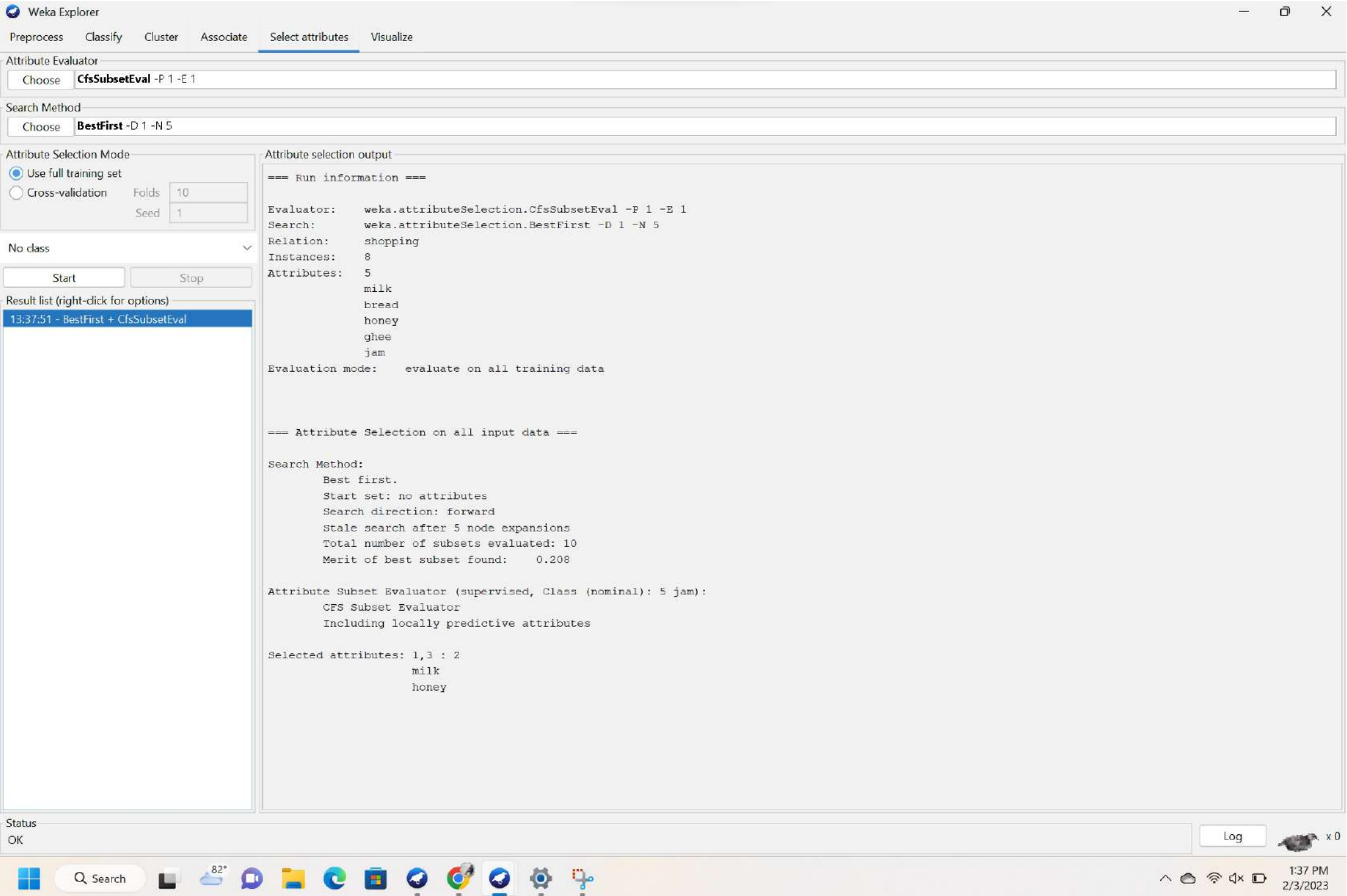
1. honey=no 4 ==> bread=yes 4 <conf:(1)> lift:(1.33) lev:(0.13) [1] conv:(1)
2. honey=yes 4 ==> ghee=no 4 <conf:(1)> lift:(1.33) lev:(0.13) [1] conv:(1)
3. honey=yes 4 ==> jam=no 4 <conf:(1)> lift:(1.14) lev:(0.06) [0] conv:(0.5)
4. honey=yes jam=no 4 ==> ghee=no 4 <conf:(1)> lift:(1.33) lev:(0.13) [1] conv:(1)
5. honey=yes ghee=no 4 ==> jam=no 4 <conf:(1)> lift:(1.14) lev:(0.06) [0] conv:(0.5)
6. honey=yes 4 ==> ghee=no jam=no 4 <conf:(1)> lift:(1.6) lev:(0.19) [1] conv:(1.5)
7. milk=no 3 ==> bread=yes 3 <conf:(1)> lift:(1.33) lev:(0.09) [0] conv:(0.75)
8. milk=no 3 ==> jam=no 3 <conf:(1)> lift:(1.14) lev:(0.05) [0] conv:(0.38)
9. milk=yes honey=yes 3 ==> ghee=no 3 <conf:(1)> lift:(1.33) lev:(0.09) [0] conv:(0.75)
10. milk=yes honey=yes 3 ==> jam=no 3 <conf:(1)> lift:(1.14) lev:(0.05) [0] conv:(0.38)

Status

OK

Log

0



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Plot Matrix

	milk	bread	honey	ghee	jam
jam					
ghee					
honey					
bread					
milk					

Matrix Panel

PlotSize: [100]

PointSize: [1]

Jitter:

Colour: jam (Norm)

\*\*\*

☐ Fast scrolling (uses more memory)

Update

Select Attributes

SubSample % : 100

Class Colour

yes no

Status

OK

Log

x 0

82°

1:38 PM

2/3/2023