

R Notebook

Code ▾

Hide

```
library(arules)
Groceries<-read.transactions(file="groceries_v2.csv", rm.duplicates= FALSE, format="basket",sep=",",cols=1)
Groceries@itemInfo$labels <- gsub("\\","",Groceries@itemInfo$labels)
grocery_rules <- apriori(Groceries, parameter = list(support = 0.01, confidence = 0.5))
```

Apriori

Parameter specification:

confidence	min...	s...	a...	aval	originalSupport	maxti...	support	minl...
<dbl>	<dbl>	<dbl>	<fctr>	<lgl>	<lgl>	<dbl>	<dbl>	<int>
0.5	0.1	1	none	FALSE	TRUE	5	0.01	1

1 row | 1-10 of 12 columns

Algorithmic control:

filter	tree	heap	memopt	load	sort	verbose
<dbl>	<lgl>	<lgl>	<lgl>	<lgl>	<int>	<lgl>
0.1	TRUE	TRUE	FALSE	TRUE	2	TRUE

1 row

Absolute minimum support count: 98

```
set item appearances ...[0 item(s)] done [0.00s].
set transactions ...[168 item(s), 9834 transaction(s)] done [0.02s].
sorting and recoding items ... [76 item(s)] done [0.00s].
creating transaction tree ... done [0.00s].
checking subsets of size 1 2 3 4 done [0.04s].
writing ... [14 rule(s)] done [0.01s].
creating S4 object ... done [0.01s].
```

Hide

```
inspect(grocery_rules)
```

	lhs <fctr>		rhs <fctr><fctr>	supp <d>
[1]	{beef}	=>	{whole milk}	0.010880
[2]	{onions}	=>	{other vegetables}	0.012202
[3]	{butter,other vegetables}	=>	{whole milk}	0.010778
[4]	{other vegetables,pip fruit}	=>	{whole milk}	0.010677
[5]	{pip fruit,whole milk}	=>	{other vegetables}	0.010677
[6]	{domestic eggs,other vegetables}	=>	{whole milk}	0.011083
[7]	{tropical fruit,yogurt}	=>	{whole milk}	0.010473
[8]	{other vegetables,tropical fruit}	=>	{whole milk}	0.012507
[9]	{tropical fruit,whole milk}	=>	{other vegetables}	0.012507
[10]	{other vegetables,whipped/sour cream}	=>	{whole milk}	0.01332
1-10 of 14 rows 1-7 of 7 columns				
			Previous	1 2 Next
< >				

[Code](#)