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Experiment-1.3

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Subject Name: Data Mining

Subject Code: 20CSP- 351

Aim – Demonstration of association rule mining using Apriory algorithm on supermarket data.

Objective-

- ◆ Represent the reading of file using R studio
- ◆ Displaying the pattern on Weka Tool.
- ◆ Demonstration of association rule mining using Apriory Algorithm.

Script and Output-

```
library("arules")
library("arulesViz")
library("RColorBrewer")
```

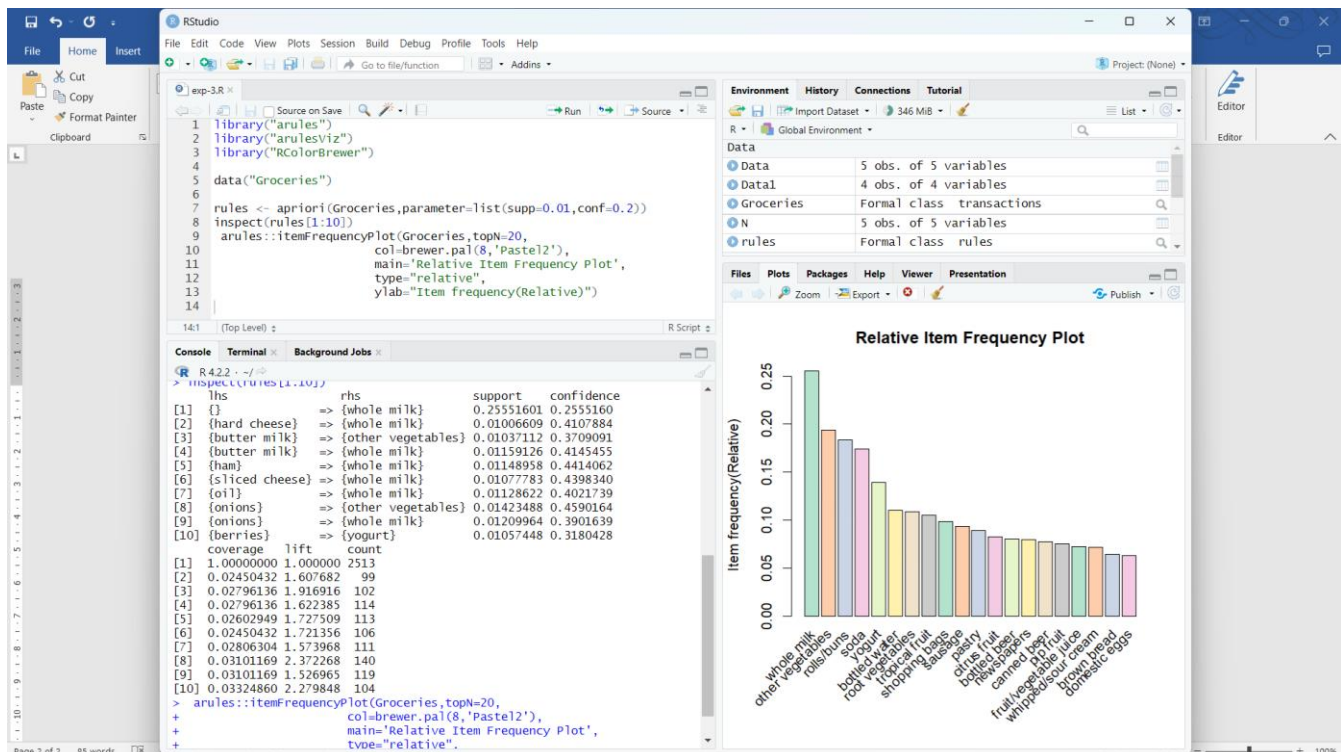
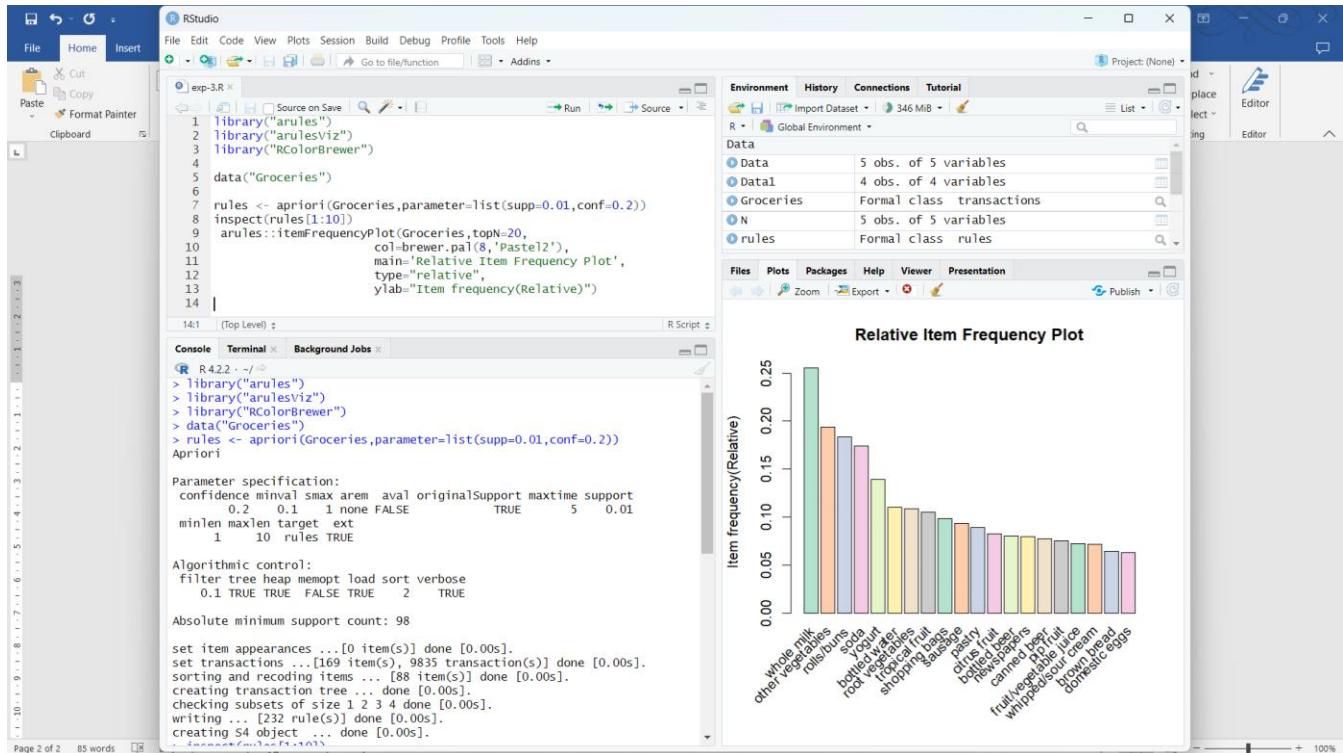
```
data("Groceries")
```

```
rules <- apriori(Groceries,parameter=list(supp=0.01,conf=0.5))
inspect(rules[1:10])
arules::itemFrequencyPlot(Groceries,topN=20,
  col=brewer.pal(8,'Pastel2'),
  main='Relative Item Frequency Plot',
  type="relative",
  ylab="Item frequency(Relative)")
```



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