DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

"Experiment 1.3"

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Branch: CSE **Section/Group: DM-720 A**

Semester: 6th **Date of Performance: 06-03-23**

Subject Name: Data Mining Lab **Subject Code: 20CSP-376**

Aim:

To demonstrate association rule mining using Apriory algorithm.

Objective:

- The objective is to draw relative item frequency plot.
- To understand implementation of libraries like arules, arulesViz, RColorBrewer.
- To know the functions like apriori and inspect.

Code:

```
#to display all available datasets
library(help="datasets")

#select any dataset
iris
```

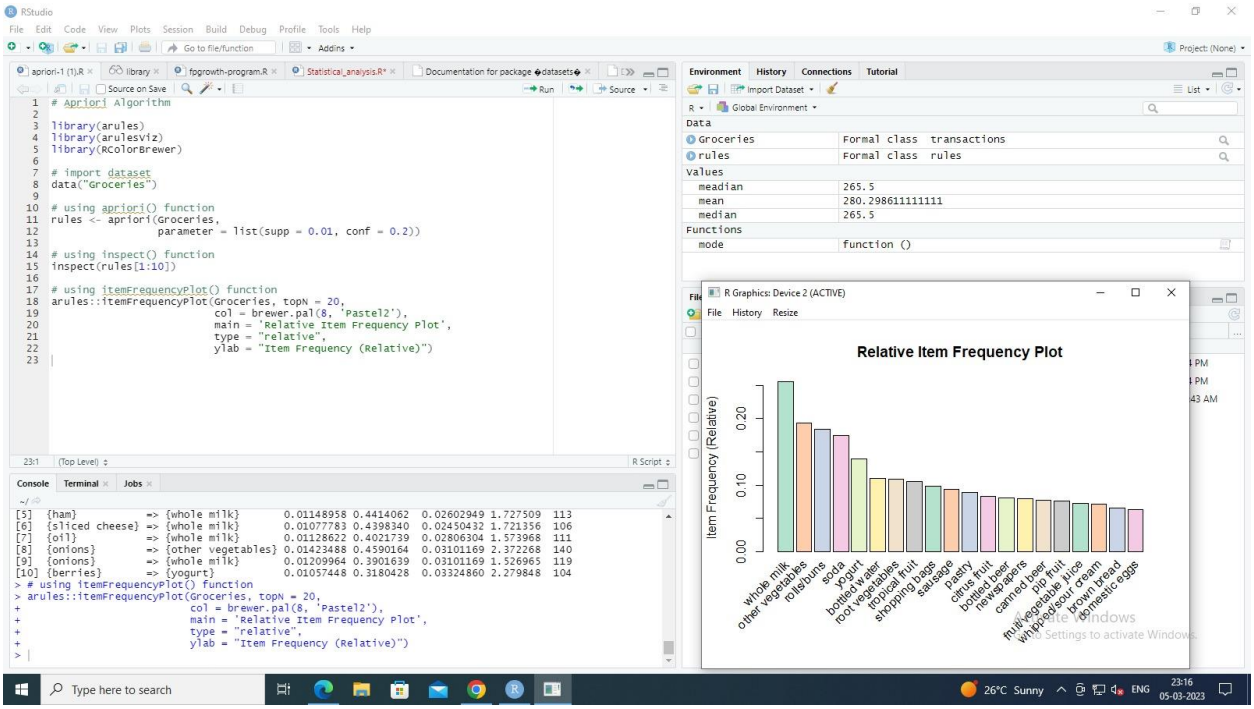
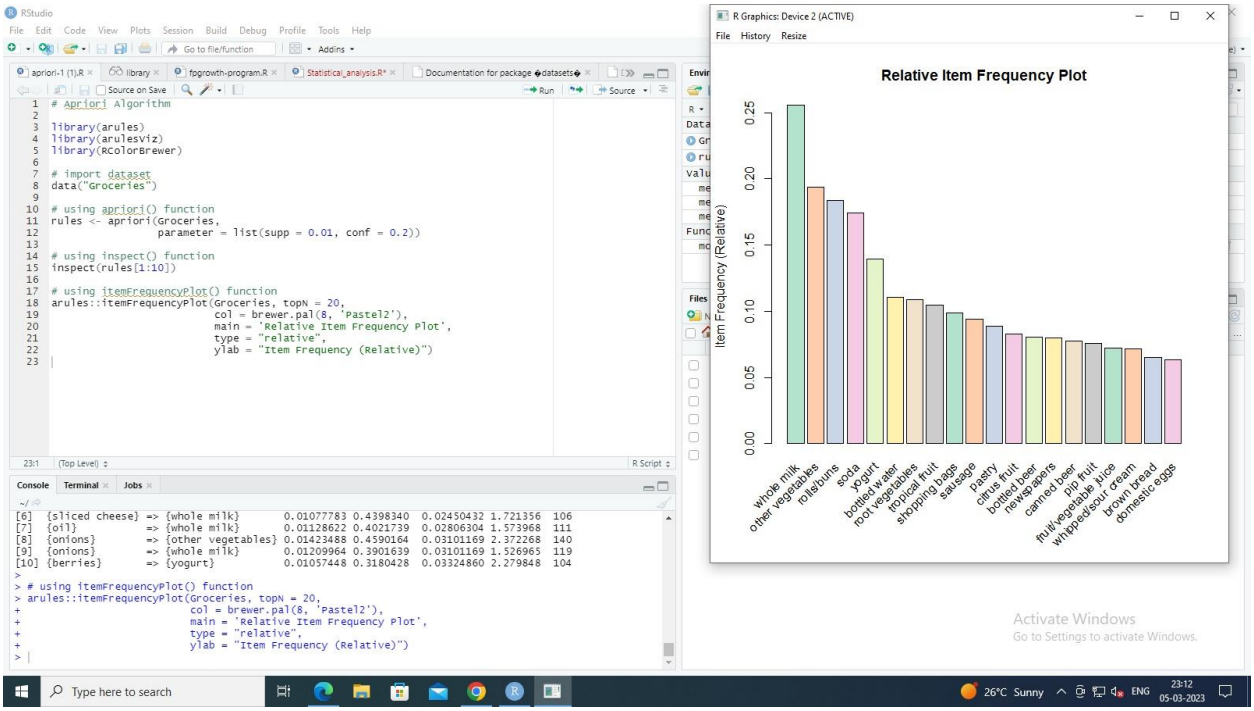
```
#to show all attributes of the dataset
names(iris)

#to display number of rows and columns
dim(iris)

#to calculate the mean
mean = mean(AirPassengers)
print(mean)

#to calculate median
median=median(AirPassengers)
print(median)

#to calculate mode
mode= function(iris){
  return(names(sort(-table(iris$Sepal.Length)))[1])
}
mode(iris)
```

Output:

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