# Experiment-1.3

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## Semester: 6th Date of Performance: 03rdMar 2023 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)")





