# Experiment-1.4

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**Aim** – Demonstration of FP growth 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")

install.packages("fim4r")

data("Mushroom")

print(Mushroom)

summary(Mushroom)

fprules <- fim4r(Mushroom,method = "fpgrowth",target="rules",supp=70,conf=60)

fprules()

inspect(fprules[1:5])

plot(fprules)

x<-as(fprules,"data.frame")

print(x)

write.csv(x,file="mushroomrules.csv")

