#Association Rules

install.packages("arules")

library(arules)

Titanic<-read.csv("/Volumes/Data/Course Content/DS content/A.Rules/Titanic.csv")

Titanic<-Titanic[,-c(1)]

rules <- apriori(Titanic)

arules::inspect(rules)

rules.sorted <- sort(rules, by="lift")

arules::inspect(rules.sorted)

# rules with rhs containing "Survived" only

rules <- apriori(Titanic,parameter = list(supp=0.5, conf=0.5)

,appearance = list(rhs=c("Survived=No", "Survived=Yes")

),control = list(verbose=F))

arules::inspect(rules)