**Code for Association Rules:**

# to read the dataset

dataset <- read.csv("bank3.csv")

#To install arules package

install.packages("arules")

library(arules)

str(dataset)

# find association rules with default settings

rules <- apriori(dataset)

inspect(rules)

# rules with rhs containing "loan" only

rules <- apriori(dataset,parameter = list(minlen=2, supp=0.005, conf=0.8),appearance = list(rhs=c("loan=no", "loan=yes"),default="lhs"), control = list(verbose=F))

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

inspect(rules.sorted)

# To visualize the rules

library(arulesViz)

plot(rules)

plot(rules, method="graph", control=list(type="items"))

plot(rules, method="paracoord", control=list(reorder=TRUE))