1. Use the given link and locate the bank marketing dataset. Data Set Link

Perform the below operations:

a. Create a visual for representing missing values in the dataset.

library(VIM)

aggr\_plot <- aggr(old\_Cust\_df, col=c('navyblue','red'), numbers=TRUE, sortVars=TRUE, labels=names(df), cex.axis=.7, gap=3, ylab=c("Histogram of missing data","Pattern"))

b. Show a distribution of clients based on a Job.

barplot(table(bank$job),col="red",ylab="No. of Clients",las=2,main="Job",cex.names = 0.8,cex.axis = 0.8)

c. Check whether is there any relation between Job and Marital Status?

counts <- table(old\_Cust\_df$y)

barplot(counts,col=c("darkblue","red"),legend = rownames(counts), main = "Term Deposit")

d. Check whether is there any association between Job and Education?

logit\_model <- glm(y ~.,family=binomial(link='logit'),data = old\_train)

summary(logit\_model)