#q1

mrate<-0;

frate<-0;

counter <- 1;

while(counter <= nrow(project\_dataset)){

if(project\_dataset$Gender[counter] == 0 & project\_dataset$survived[counter] == 1){

mrate <- mrate + 1;

}else if(project\_dataset$Gender[counter] == 1 & project\_dataset$survived[counter] == 1){

frate <- frate + 1;

}

counter <- counter + 1;

}

print(c(mrate, frate));

#g2

project\_dataset$num\_class[

project\_dataset$class == "First"

] <- 1

project\_dataset$num\_class[

project\_dataset$class == "Second"

] <- 2

project\_dataset$num\_class[

project\_dataset$class == "Third"

] <- 3

png(file = "/Users/sakif/Desktop/R/ds\_project/ticket\_fare.png")

plot(x=project\_dataset$num\_class, y=project\_dataset$fare)

dev.off()

#g3

freqofemb <- table(project\_dataset$embarked)

png(file = "/Users/sakif/Desktop/R/ds\_project/embarked\_rate.png")

barplot(freqofemb)

dev.off()

#q4

freqofcls <- table(project\_dataset$class)

png(file = "/Users/sakif/Desktop/R/ds\_project/class\_rate.png")

barplot(freqofcls)

dev.off()

agevsfare <- data.frame(project\_dataset$age, project\_dataset$fare)

cr <- cor(agevsfare)

cr1 <- cor(agevsfare, method = "kendall")

cr2 <- cor(agevsfare, method = "spearman")

install.packages("corrplot")

library(corrplot)

png(file = "/Users/sakif/Desktop/R/ds\_project/cr.png")

corrplot(cr)

dev.off()

agemean <- mean(project\_dataset$age, na.rm = TRUE)

print(agemean)

project\_dataset$age[

is.na(project\_dataset$age)

] <- agemean

faremean <- mean(project\_dataset$fare, na.rm = TRUE)

print(faremean)

project\_dataset$fare[

is.na(project\_dataset$fare)

] <- faremean