Assignment 3 Code

titanic <- read\_csv("titanic.csv")

mean(titanic$Age, na.rm = TRUE)

titanic[titanic$Sex=="female",]

t1 = titanic[(titanic$Sex=="female"),]

mean(t1$Age)

median(titanic[titanic$Pclass==1,]$Fare)

t2 = titanic[(titanic$Sex=="female")&(titanic$Pclass!=1),]

median(t1$Fare)

t3= titanic[(titanic$Survived==1)&(titanic$Sex=="female")&(titanic$Pclass!=3),]

median(t3$Age)

t4=titanic[(titanic$Survived==1)&(titanic$Sex=="female")&(titanic$Age>=13)&(titanic$Age<=19),]

mean(t4$Fare)

t5=titanic[(titanic$Survived==1)&(titanic$Sex=="female")&(titanic$Age>=13)&(titanic$Age<=19)&(titanic$Pclass==1),]

mean(t5$Fare)

t6titanic[(titanic$Survived==1)&(titanic$Sex=="female")&(titanic$Age>=13)&(titanic$Age<=19)&(titanic$Pclass==2),]

mean(t6$Fare)

t7=titanic[(titanic$Survived==1)&(titanic$Sex=="female")&(titanic$Age>=13)&(titanic$Age<=19)&(titanic$Pclass==3),]

mean(t7$Fare)

t8= mean(titanic$Fare)

t9= nrow(titanic[(titanic$Survived==1)&(titanic$Fare>t8),])

t11= nrow(titanic[(titanic$Survived==1),])

t12= t9/t11

t10= nrow(titanic[(titanic$Survived==0)&(titanic$Fare>t8),])

t13= nrow(titanic[(titanic$Survived==0),])

t14= t10/t13