## Assignments for session on "VISUALIZATION AND PLOTTING"

- 1. Importing the Titanic Dataset
- 2. Preprocess to get the Family Names
- 3. Separate the Titles
- 4. Represent the Barplots by Family names
- 5. Proportion of the surviced by graphical representation

```
titanic3 <- read.csv("C:/Users/sarang_dani/Desktop/R/Acadgild's Assignments/titanic3.csv")
head(titanic3)
str(titanic3$name)
titanic3$name <- as.character(titanic3$name)</pre>
str(titanic3$name)
#To get the Famly names, seprate the spaces and use rbind to consolidate the split string
names_split <- do.call(rbind,strsplit(sub(" ",";",titanic3$name),";"))</pre>
head(names_split)
names_split <-as.data.frame(names_split)
names(names_split) <- c("Family name", "First Name")</pre>
head(names_split)
titanic3$Title<-(do.call(rbind,strsplit(titanic3$name," ")))[,2]</pre>
Title
#Barplot for family names
FamilyName <- table(names_split$`Family name`)
barplot(FamilyName, main = "Survival as per Family Name", xlab = "Family Name", ylab = "count", col
#Barplot for survivals as per Titles
Title<-table(Title)
SurvivedTitle<-table(titanic3\survived,titanic3\Title)
p<-SurvivedTitle[1,]</pre>
```