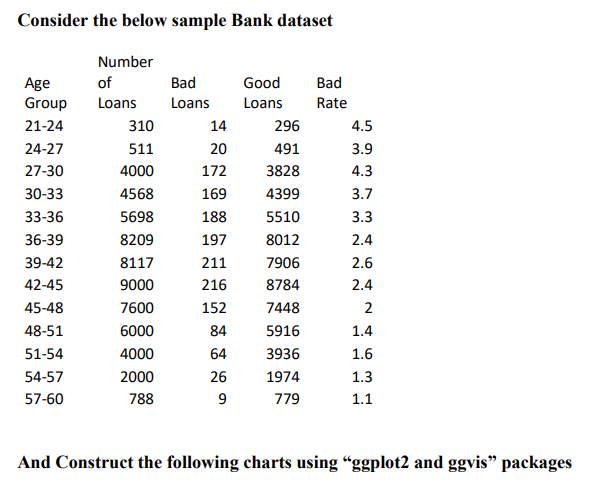
**ARYAMAN MISHRA**

**19BCE1027**

**LAB 04**

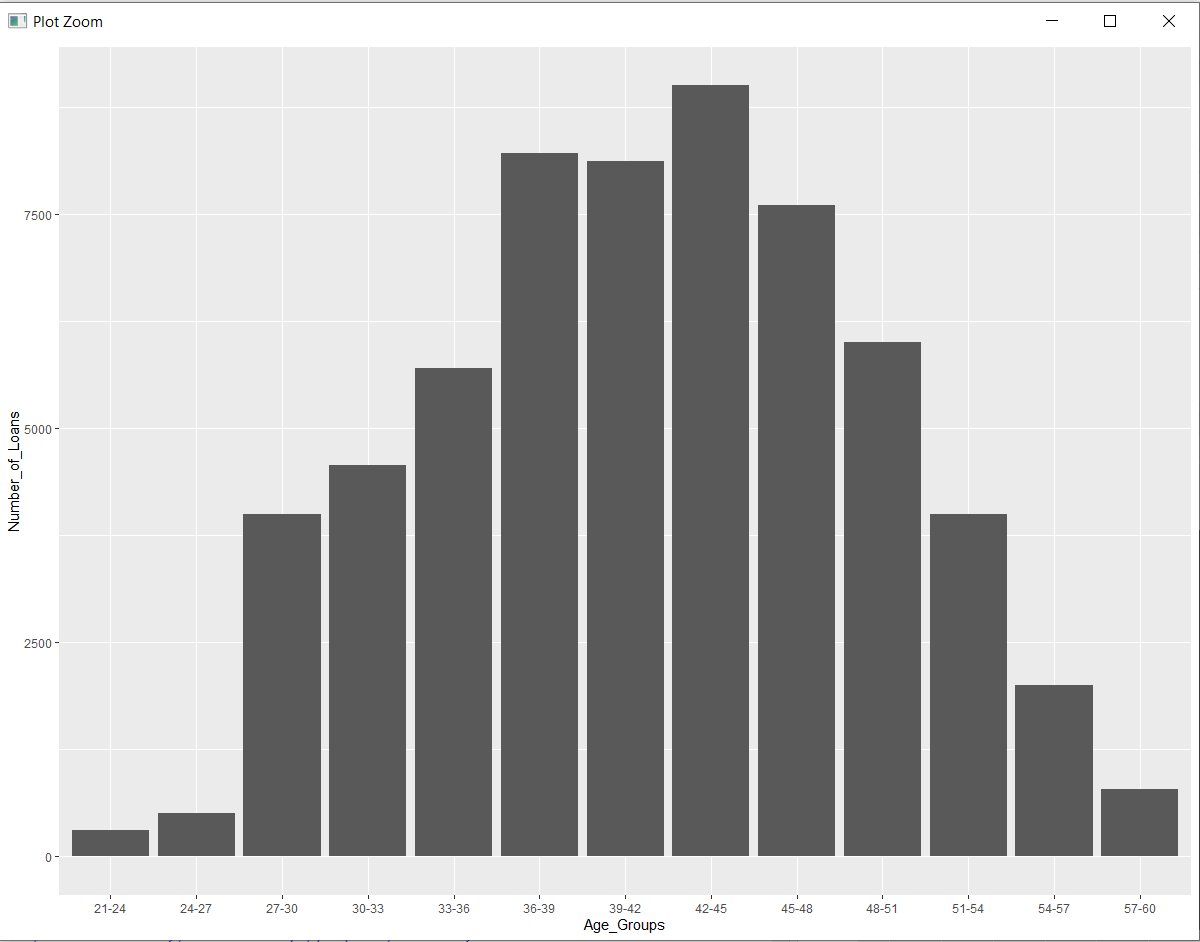


**library(ggplot2)**

**library(ggvis)**

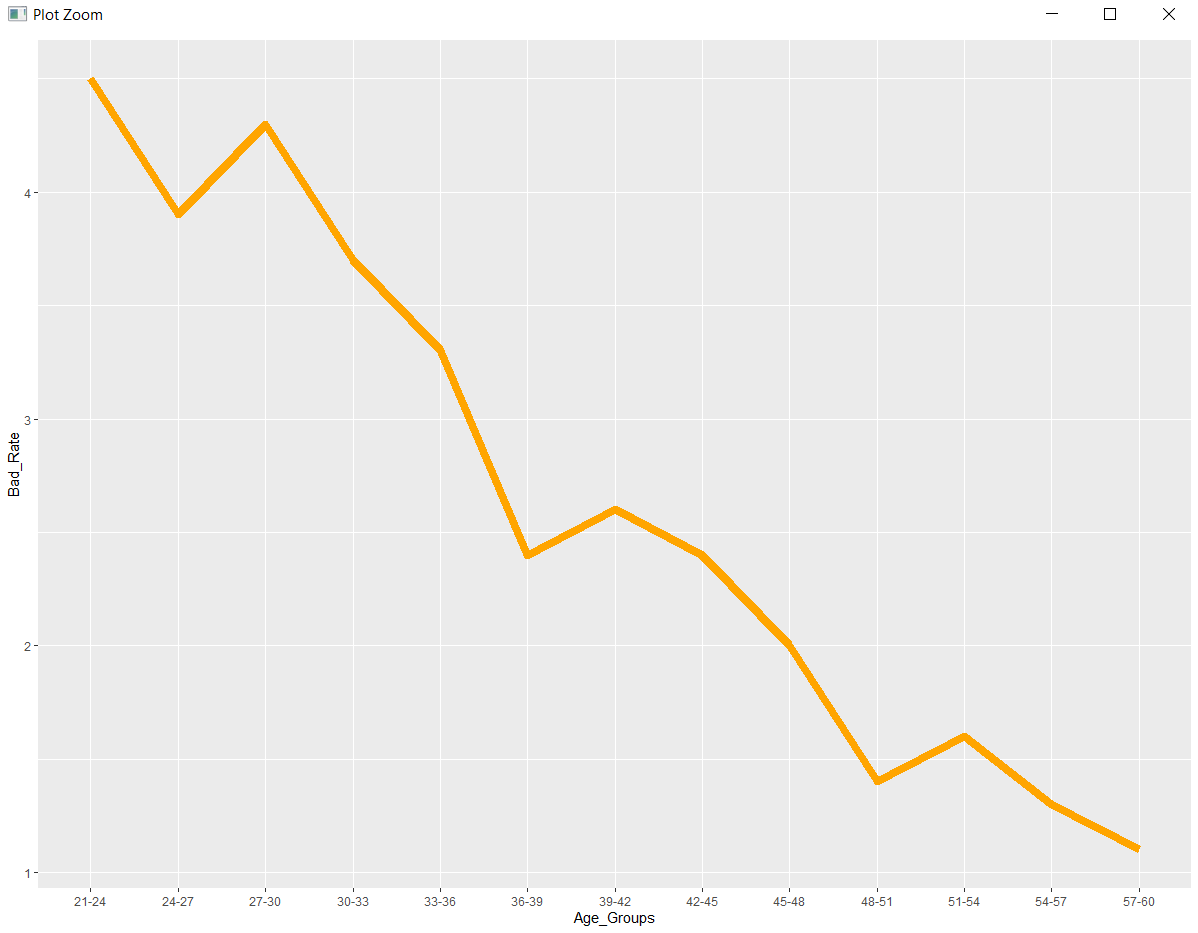
**df=read.csv("C:\\Users\\aryam\\Desktop\\Fall Sem 2021\\Data Visualization Lab\\LAB 4 24-8-21\\Book1.csv")**

**ggplot(df, aes(x = Age\_Groups,y = Number\_of\_Loans))+ geom\_bar(stat='identity')**



**ggplot(df, aes(x = Age\_Groups,y = Bad\_Rate, group = 1))+ geom\_line(color = "orange")+**

**geom\_line( aes(y=Bad\_Rate), size=3, color="orange")**

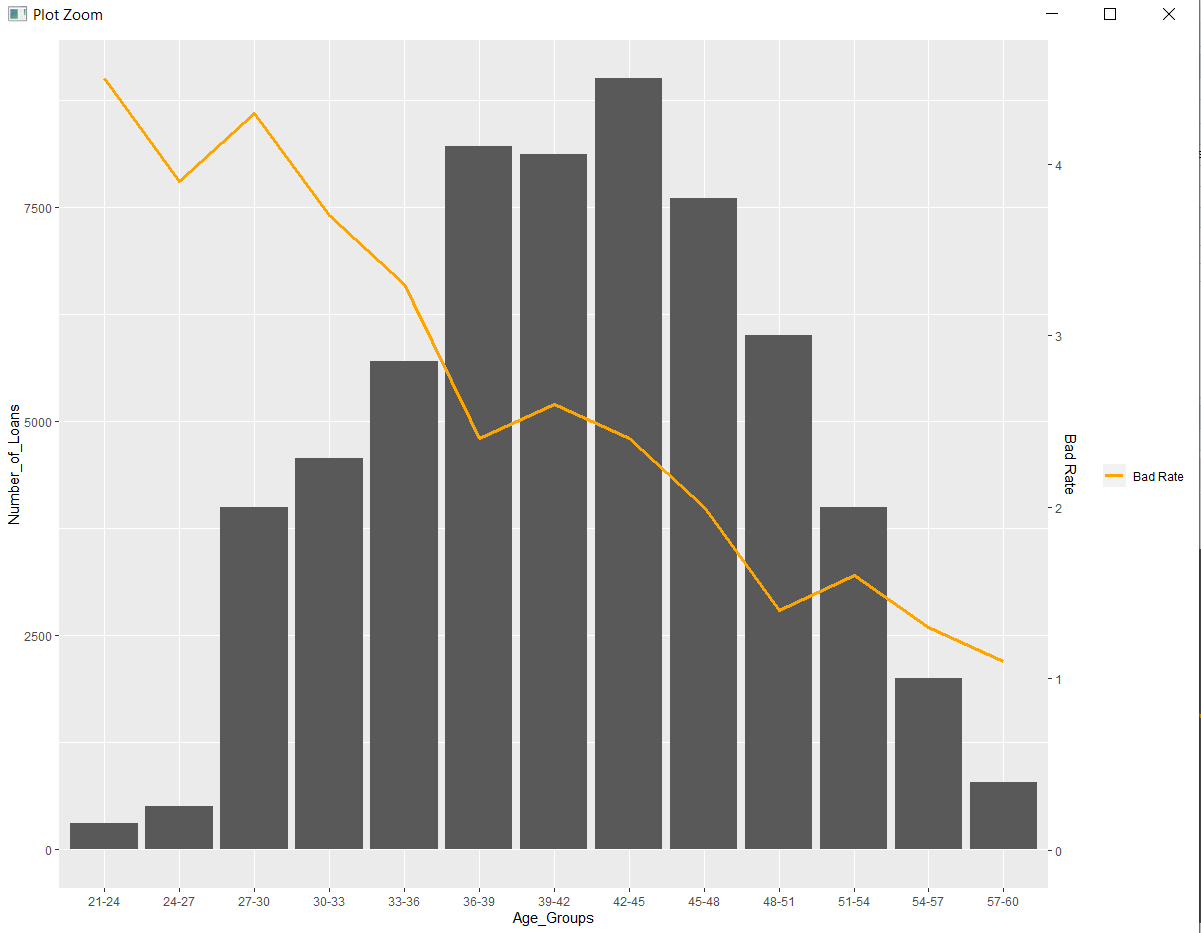


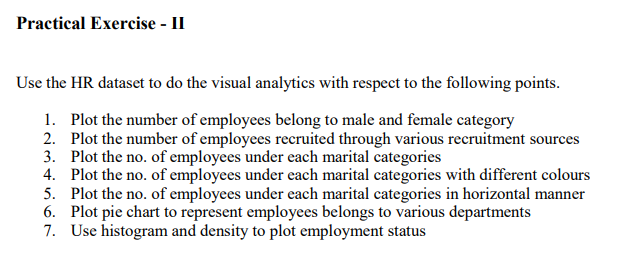
**ggplot(df) + geom\_bar(aes(x=Age\_Groups, y=Number\_of\_Loans),stat="identity")+**

**geom\_line(aes(x=Age\_Groups, y=Bad\_Rate\*2000,color="Bad Rate"),stat="identity",group = 1, size=1.3)+**

**scale\_colour\_manual("", breaks = c("Bad Rate"), values = c("orange")) +**

**scale\_y\_continuous(sec.axis = sec\_axis(~ . / 2000, name = "Bad Rate"))**

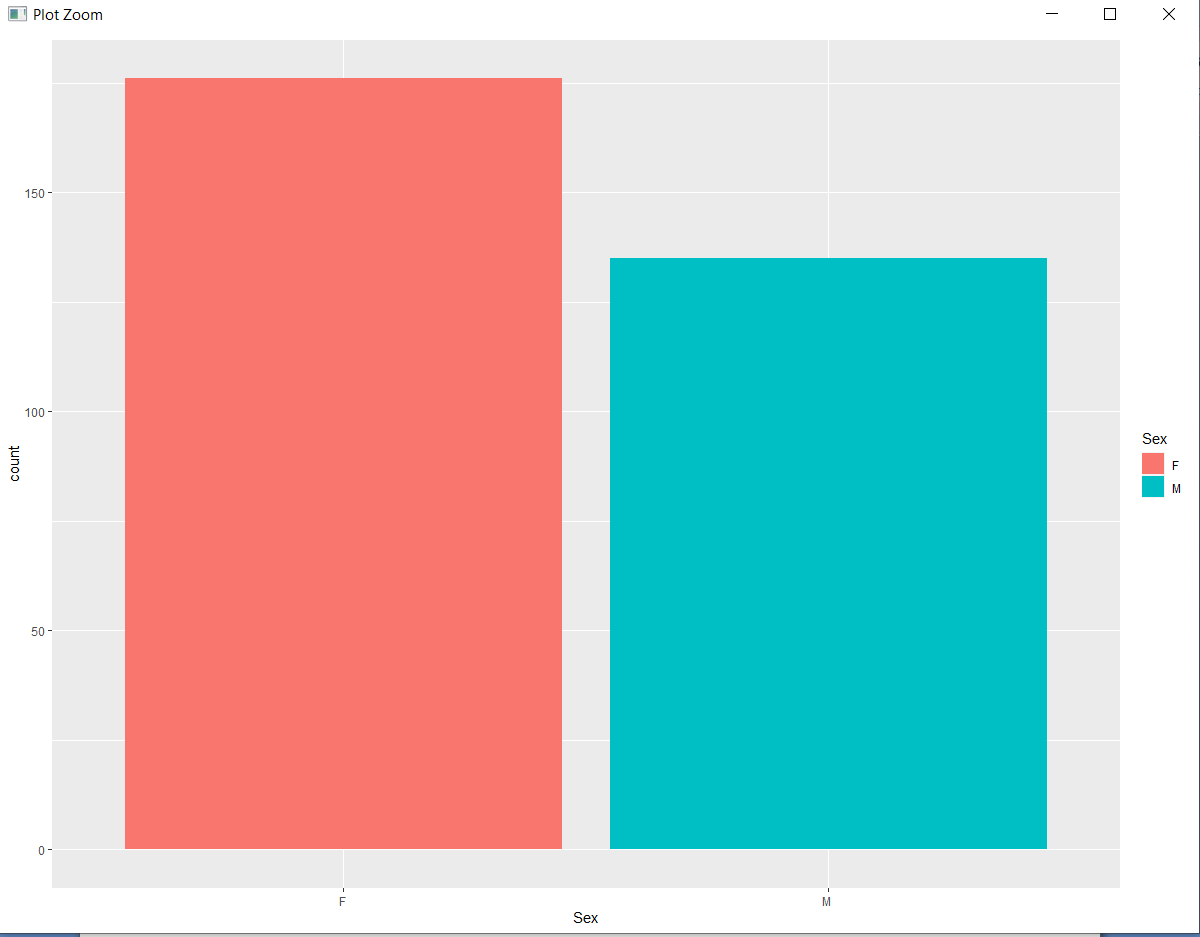




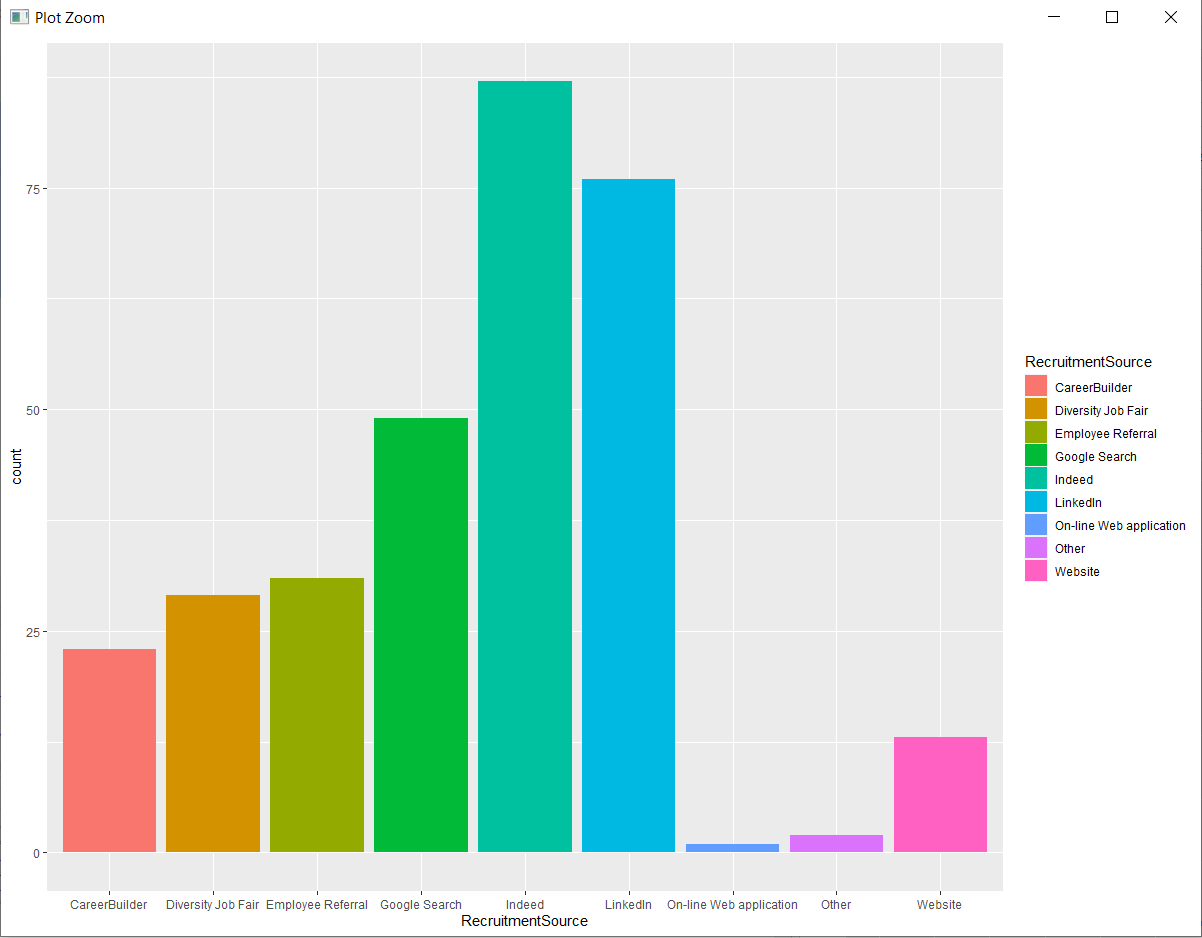
**library(ggplot2)**

**df=read.csv("C:\\Users\\aryam\\Desktop\\Fall Sem 2021\\Data Visualization Lab\\LAB 4 24-8-21\\HRDataset\_v14.csv")**

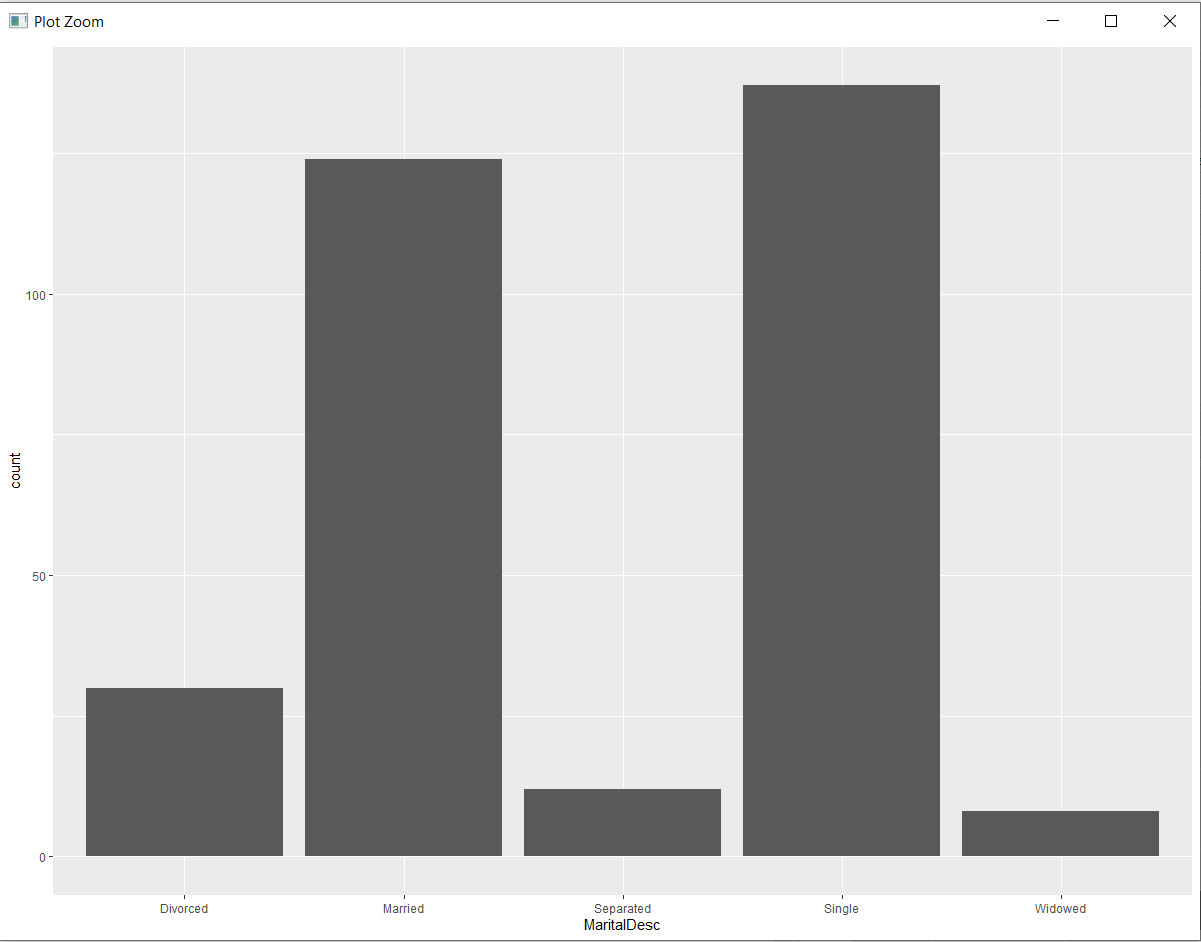
**ggplot(df, aes(x= Sex,fill=Sex)) + geom\_bar()**



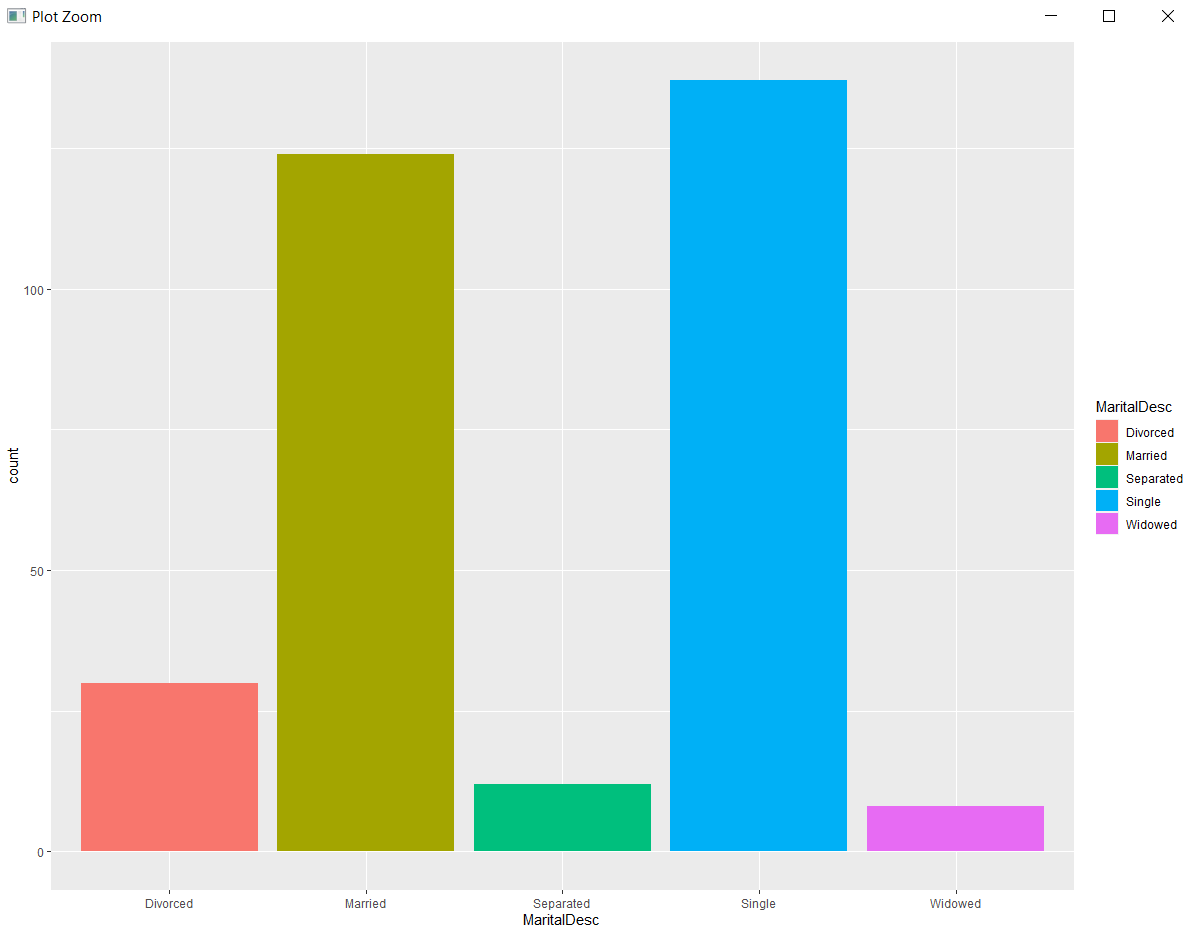
**ggplot(df, aes(x= RecruitmentSource,fill=RecruitmentSource)) + geom\_bar()**



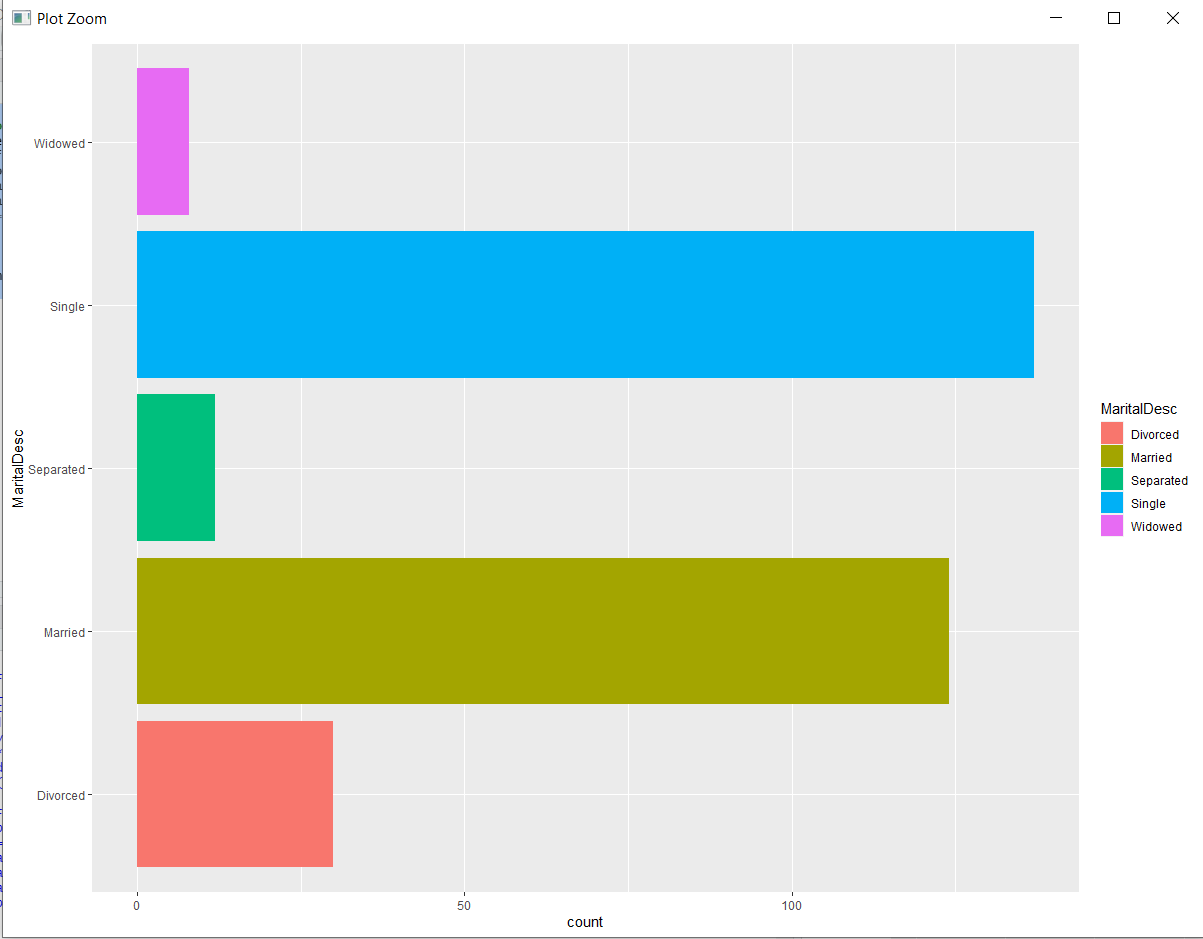
**ggplot(df, aes(x= MaritalDesc)) + geom\_bar()**



**ggplot(df, aes(x= MaritalDesc,fill=MaritalDesc)) + geom\_bar()**



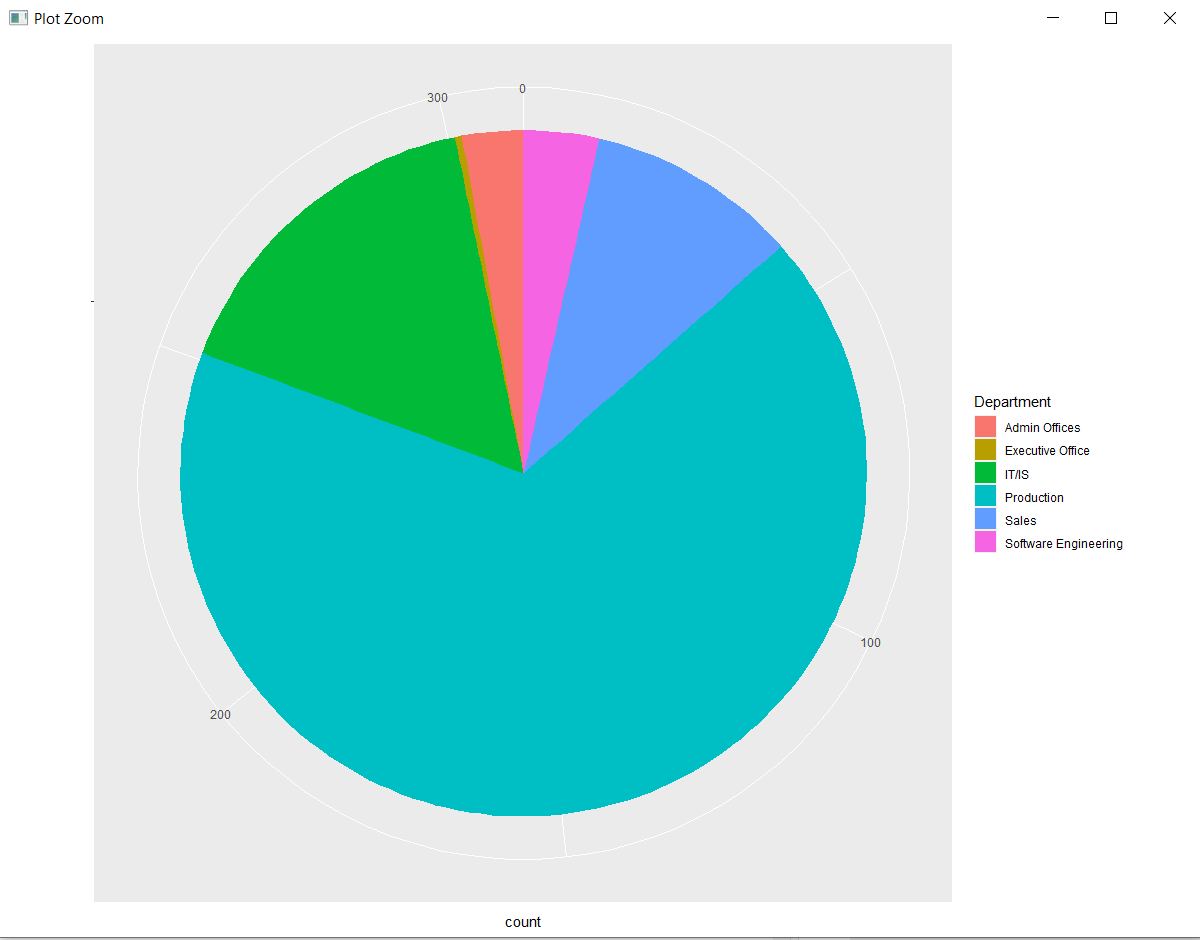
**ggplot(df, aes(x= MaritalDesc,fill=MaritalDesc)) + geom\_bar()+ coord\_flip()**



**ggplot(df, aes(x = factor(""), fill = Department))+ geom\_bar()+**

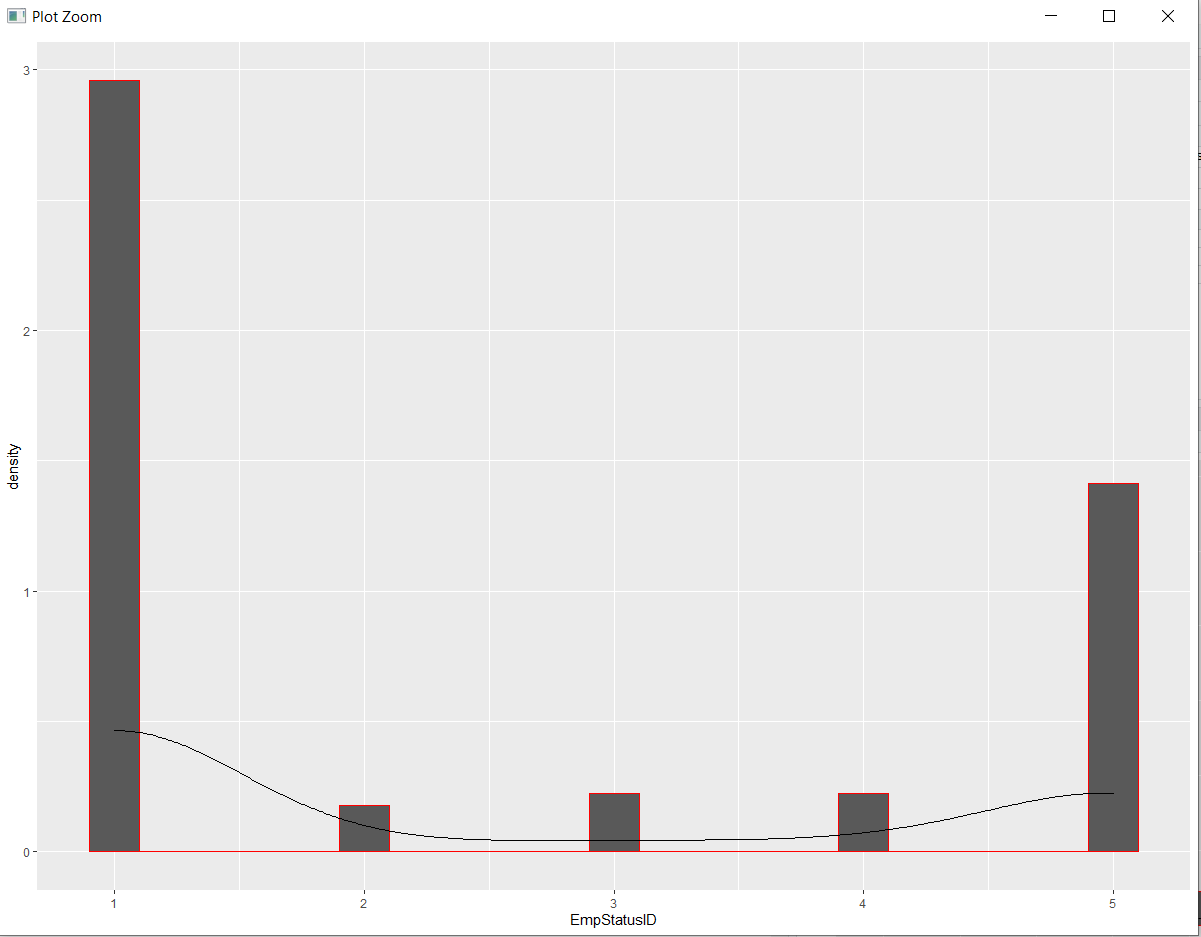
**coord\_polar(theta = "y") +**

**scale\_x\_discrete("")**



**ggplot(df, aes(EmpStatusID) ) +**

**geom\_histogram(color="red",binwidth = 0.2, aes(EmpStatusID, ..density..))+ geom\_density()**



**CONCLUSION:ALL PRACTICAL EXERCISES HAVE BEEN SUCCESSFULLY EXECUTED.**