**Codes from ppts**

**1. Histogram frequency plotting**

Hist(Behaviour$tot\_rating, xlab=”driver rating”,main=”driver rating”,col=”red”)

**2. kernel density plot**

d <- (Behaviour$tot\_rating, na.rm=T)

plot(d,main=”driver rating”,col=”blue”)

**3. Dot chart**

dotchart(Behaviour$tot\_rating, labels = Behaviour$Driver, xlab=”Total rating”, main=”Driver rating”)

**4. Dot chart ( based on factor )**

Behaviour$color[Behaviour$gender==”F”] <- “red”

Behaviour$color[Behaviour$gender==”M”] <- “blue”

dotchart(Behaviour$tot\_rating, groups = Behaviour$gender, main=”Driver rating”,xlabel=”Total Rating”,gcolor=”black”, color=Behaviour$color,cex=1.0)

**5. Barchart**

Barplot(Behaviour$tot\_rating, xlab=”Total rating”,main=”Driver rating”, names.arg = Behaviour$Driver, ylim=c(0,25))

**6. Pie chart**

Group <- table(Behaviour$gender)

Label <- paste(names(Group))

Pie(Group,labels=Label)

**7. Box plot**

Boxplot(Behaviour$tot\_rating, main=”Driver rating”, xlab=”Drivers”, ylab=”Total rating”)

**8. Scatter plot**

Plot(Behaviour$tot\_rating~Behaviour$age, na.rm=TRUE, xlab=”Age”, ylab=”Total Rating”, main=”Driver rating vs Age”, cex=1.5,pch=19)

**GGplot2:**

**1. Histogram**

ggplot(Behaviour,aes(tot\_rating))+geom\_histogram(binwidth=5)+ggtitle(xlab(“Total rating”))

**2. kernel density plots**

ggplot(Behaviour, aes(tot\_rating, colour=gender))+geom\_freqpoly(binwidth=10)+ggtitle(xlab(“Total rating”))

**3. Bar plot**

ggplot(data=Behaviour) + geom\_bar(mapping=aes(x=tot\_rating,fill=Driver))+ggtitle(xlab(“Total rating”))

**4. Box plot**

ggplot(data=Behaviour)+geom\_boxplot(aes(gender,tot\_rating))+ggtitle(ylab(“Total rating”))

**5. Scatter plot**

ggplot(data=Behaviour)+geom\_point(aes(age,tot\_rating,colour=gender))+ggtitle(xlab(“Age”))+(ylab(“Total rating”))

**6. Facet plot**

Ggplot(data=Behaviour)+geom\_point(mapping=aes(x=age,y=tot\_rating))+facet\_wrap(~gender,nrow=2)+ggtitle(xlab(“Age”))+(ylab(“Total rating”))

**Syntax:**

object <-ggplot(data=<Data>)+<GEOM\_FUNCTION>(mapping=aes(<MAPPINGS>))Object+<GEOM\_FUNCTION>

install.packages(“ggplot2”)

library(ggplot2)