**1] Pie Chart with colours**

> x<-c(21,46,9,13)

> labels<-c("Wind","Temp","Month","Day")

> png(file="s1.png")

> pie(x,labels,main="s1 pie chart",col= rainbow(length(x)))

> dev.off

function (which = dev.cur())

{

if (which == 1)

stop("cannot shut down device 1 (the null device)")

.External(C\_devoff, as.integer(which))

dev.cur()

}

<bytecode: 0x5b3da28>

<environment: namespace:grDevices>

> dev.off()

null device

1

**2] barchart with attribute**

> H<-c(7,12,28,3,4)

> M<-c("Ozone","Month","Type","Wind")

> H<-c(7,12,28,3,4)

> M<-c("Ozone","Month","Type","Wind","Solar.R")

> png(file="barchart\_air.png")

> barplot(H,names.arg = M,xlab="airquality",ylab="revenue",col="blue",main = "Revenue chart",border = "red")

> dev.off

function (which = dev.cur())

{

if (which == 1)

stop("cannot shut down device 1 (the null device)")

.External(C\_devoff, as.integer(which))

dev.cur()

}

<bytecode: 0x5b3da28>

<environment: namespace:grDevices>

> dev.off()

png

2

**3]barchart stacked**

colors<-c("green","blue","Orange")

> column<-c("Ozone","Month","Type","Wind","Solar.R")

> regions<-c("east","west","north")

> values<-matrix(c(2,45,1,22,6,7,88,9,2,33,4,6,5,44,99),nrow=3,ncol=5,byrow=TRUE)

> png(file="bar\_stacked.png")

> barplot(values,main="total revenue",names.arg = column,xlab="airquality",ylab="revenue",col=colors)

> legend("topleft",regions,cex=1.3,fill=colors)

> dev.off()

null device

1

>

**4]box plot**

> input<-airquality[,c("Ozone","Solar.R")]

> print(head(input))

Ozone Solar.R

1 41 190

2 36 118

3 12 149

4 18 313

5 NA NA

6 28 NA

> png(file="boxplot.png")

> boxplot(Ozone~Solar.R,data=airquality,xlab="no of airquality",ylab="revenue",main="air data")

> dev.off()

null device

1

**5]histogram**

> v<-c(24,25,26,10,12,14,30,13,73,18,9)

> png(file="histo.png")

> hist(v,xlab="airquality",col="purple",border="orange")

> dev.off()

png

2

**6]line chart**

> v<-c(24,25,26,10,12,14,30,13,73,18,9)

> png(file="histo.png")

> hist(v,xlab="airquality",col="purple",border="orange")

> dev.off()

png

2

> v<-c(24,25,26,10,12)

> png(file="line.png")

> plot(v,type="o")

> dev.off()

png

2

> v<-c(24,25,26,10,12)

> png(file="line\_colored.png")

> plot(v,type="o",col="red",xlab = "airquality",ylab="revenue",main="air\_chart")

> dev.off()

png

2

**7]multiple line chart**

> v<-c(24,25,26,10,12)

> t<-c(16,21,22,34)

> png(file="Mline1.png")

> plot(v,type="o",col="red",xlab = "airquality",ylab="revenue",main="air\_chart")

> lines(t,type="o",col="blue")

> dev.off()

null device

1

>





















