

Data Visualization

#1. barplot 2. Linechart 3. Dot plot 4. Pie chart, 3D pie 5. Histogram 6. boxplot

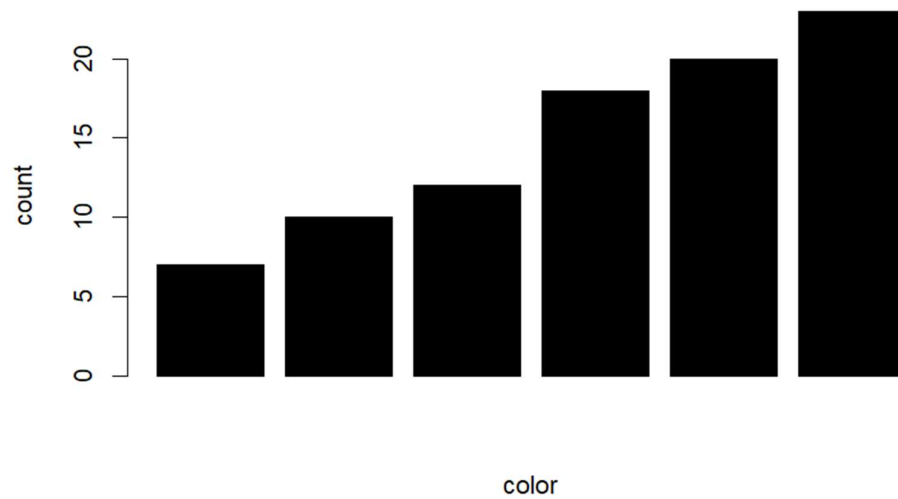
#Barplot

```
data<-c(7,10,12,18,20,23)
```

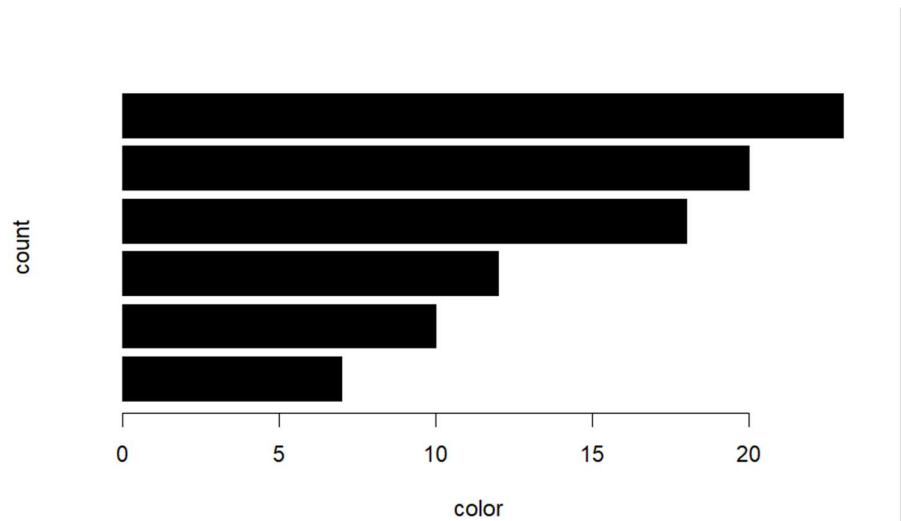
```
barplot
```

```
barplot(data,xlab="color",ylab="count",col="Black")
```

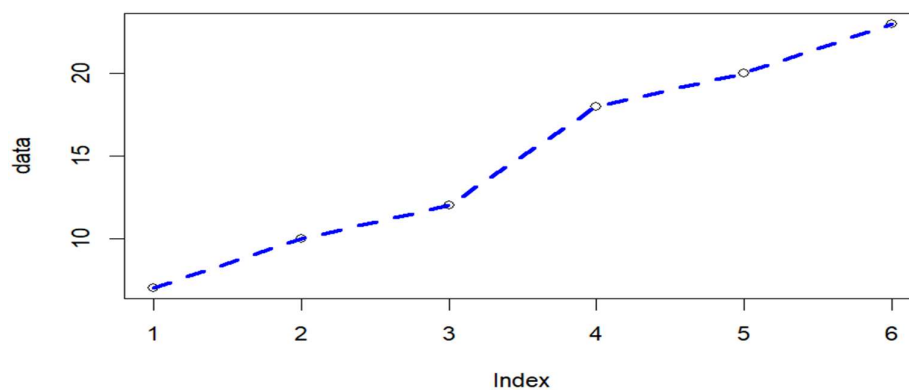
```
labels<-c("A","B","C","D","E","f")
```



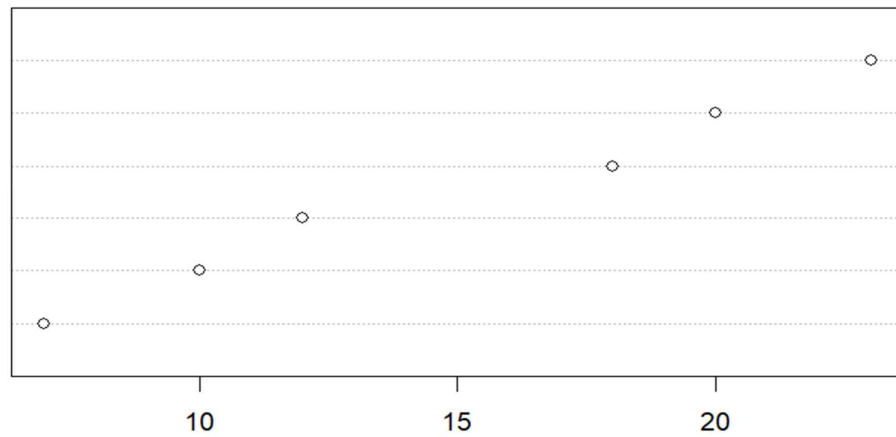
```
#for horizontal graph
data<-c(7,10,12,18,20,23)
barplot
barplot(data,horiz=TRUE,xlab="color",ylab="count",col="Black")
labels<-c("A","B","C","D","E","f")
```



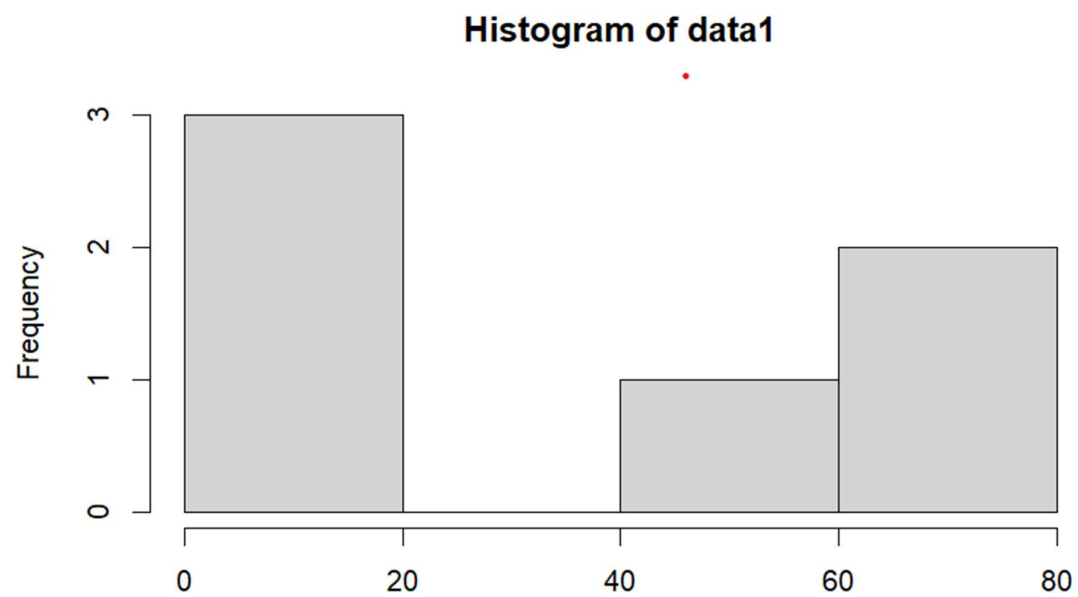
```
#Linechart
dotchart(data)
?dotchart#for help
plot(data)
lines(data,col="blue",lwd=3,lty=2)#line type=lty,line width=lwd
?lines
```



```
#Dotplot
plot(data,col='green',ylim=range(c(data,data1)))
lines(data,col='red')
dotchart(data)
```



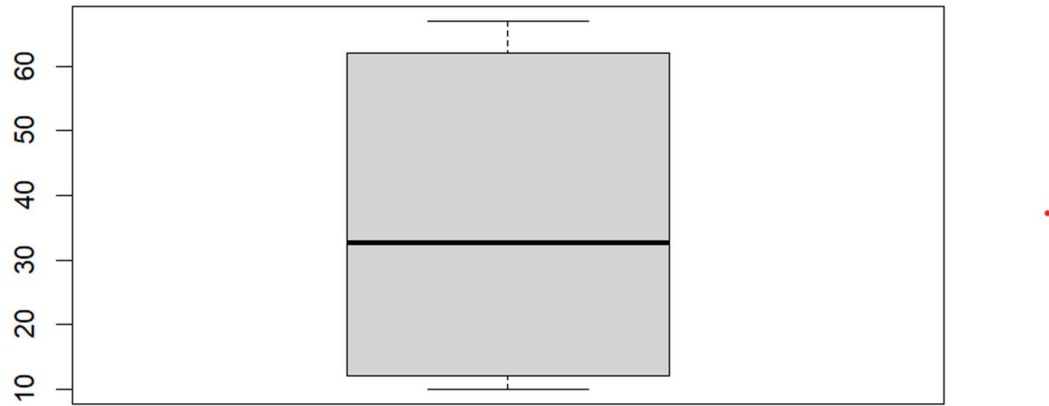
```
#histogram
data1<-c(10,20,45,62,12,67)
hist(data1)
```



```
#boxplot
```

```
data1<-c(10,20,45,62,12,67)
```

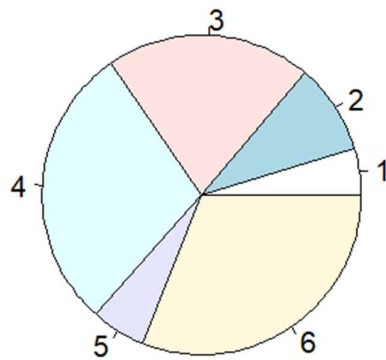
```
boxplot(data1)
```



```
#piechart
```

```
data1<-c(10,20,45,62,12,67)
```

```
pie(data1)
```



```
#3D piechart  
install.packages("plotrix")  
library(plotrix)  
data <- c(19, 21, 54, 12, 36, 12)  
pie3D(data)
```

