

# Fundamentals of Machine Learning

Sania Fatima

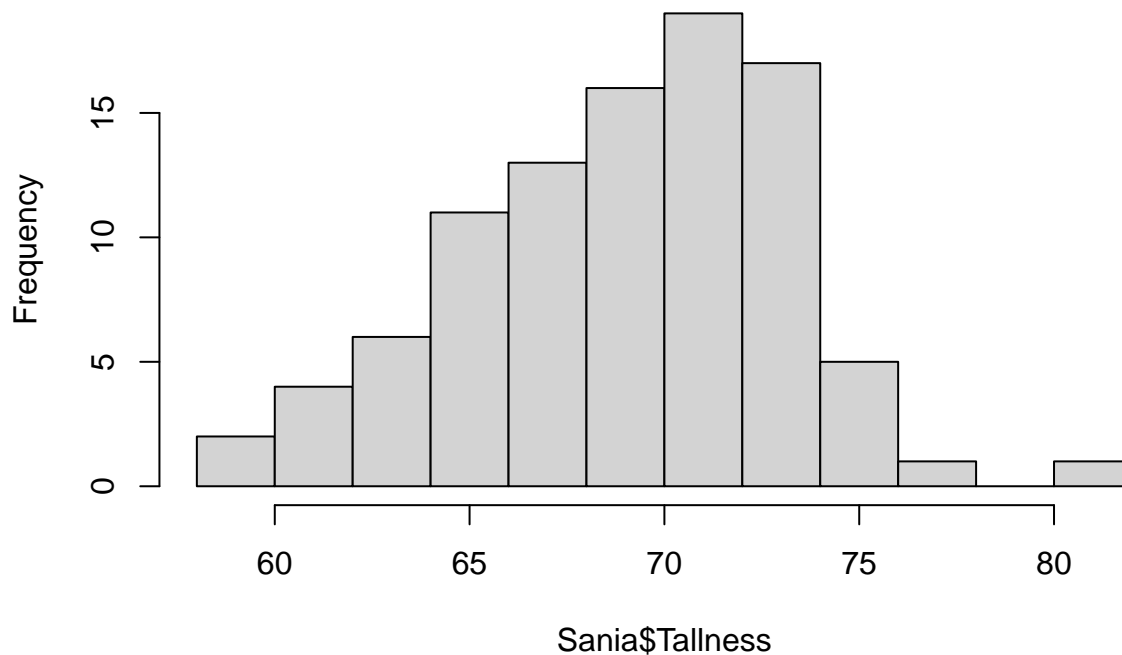
2023-09-10

```
library(tinytex)
getwd()
```

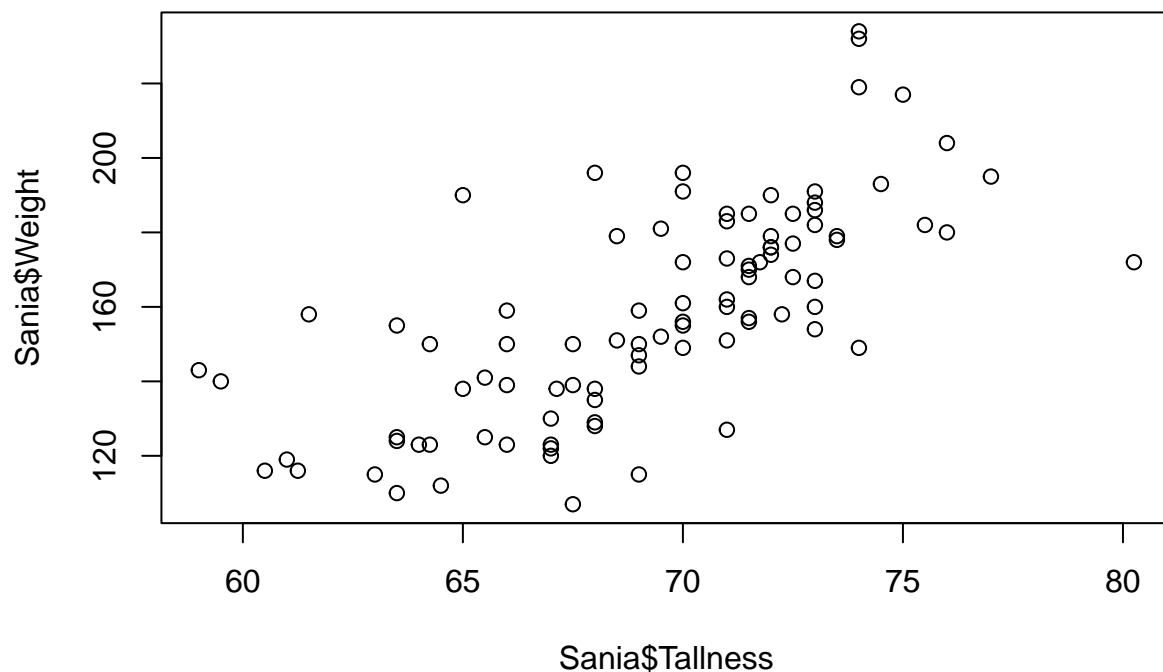
```
## [1] "C:/Users/Sania fatima/Desktop/FML"
```

```
setwd("C:/Users/Sania fatima/Desktop/FML")
Sania<-read.csv("Example 1.csv")
hist(Sania$Tallness)
```

**Histogram of Sania\$Tallness**



```
plot(Sania$Tallness,Sania$Weight)
```



```
summary(Sania)
```

```
##      Serial.No.      Gender      Age      Tallness
## Min.   : 1.0    Length:95    Min.   :20.00  Min.   :59.00
## 1st Qu.:24.5    Class :character 1st Qu.:22.00 1st Qu.:67.00
## Median :48.0    Mode  :character  Median :23.00 Median :70.00
## Mean   :48.0                                Mean   :24.32 Mean   :69.33
## 3rd Qu.:71.5                                3rd Qu.:26.00 3rd Qu.:72.12
## Max.   :95.0                                Max.   :40.00 Max.   :80.25
##      Weight      BMI
## Min.   :107.0    Min.   :17.00
## 1st Qu.:138.0    1st Qu.:21.00
## Median :158.0    Median :23.00
## Mean   :158.7    Mean   :23.08
## 3rd Qu.:179.0    3rd Qu.:25.00
## Max.   :234.0    Max.   :32.00
```

```
summary(Sania$BMI)
```

```
##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
##      17.00  21.00   23.00   23.08   25.00   32.00
```

```
Sania1<-log10(Sania$BMI)
summary(Sania1)
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	1.230	1.322	1.362	1.360	1.398	1.505