

FML 1ST ASSIGNMENT

2023-09-09

source:- kaggle(<https://www.kaggle.com/code/sweetvinayakmore/eda-flipkart-mobiles-dataset>)

```
test <- read.csv("Flipkart_mobile_brands_scraped_data.csv")
head(test)
```

```
##      Brand Model      Color Memory Storage Rating Selling.Price
## 1  OPPO  A53 Moonlight Black  4 GB   64 GB   4.5         11990
## 2  OPPO  A53    Mint Cream  4 GB   64 GB   4.5         11990
## 3  OPPO  A53 Moonlight Black  6 GB  128 GB   4.3         13990
## 4  OPPO  A53    Mint Cream  6 GB  128 GB   4.3         13990
## 5  OPPO  A53 Electric Black  4 GB   64 GB   4.5         11990
## 6  OPPO  A53 Electric Black  6 GB  128 GB   4.3         13990
##      Original.Price
## 1              15990
## 2              15990
## 3              17990
## 4              17990
## 5              15990
## 6              17990
```

```
summary(test$Selling.Price)
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##      1000    9490   14999   26461   29998   179900      3
```

```
summary(test$Original.Price)
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##      1599   12999   18999   29853   34999   189999   1678
```

```
table(test$Brand)
```

```
##
##      Apple      ASUS      GIONEE Google Pixel      HTC
##      364      113      129      29      5
##      Lenovo      LG      Motorola      Nokia      OPPO
##      121      99      105      212      244
##      realme      SAMSUNG      vivo      Xiaomi
##      285      695      57      164
```

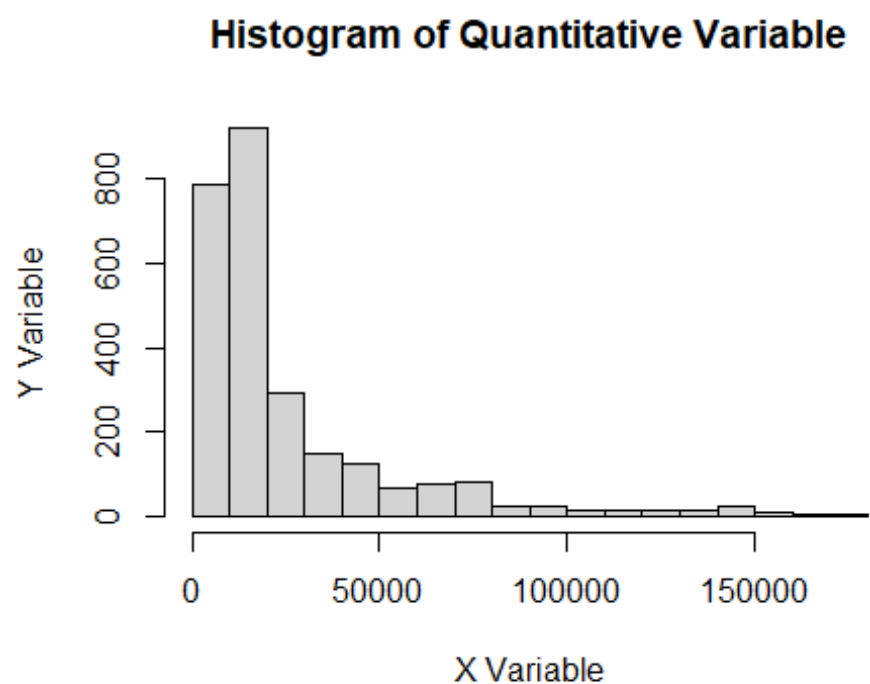
```
head(table(test$Color))
```

```
##
##           Tornado Black          100 MB Absolute black    Agate Red
##           142                    1                    1        1
##    Alpine White
##           1

x <- log(test$Selling.Price)
head(x)

## [1] 9.391828 9.391828 9.546098 9.546098 9.391828 9.546098

hist(test$Selling.Price, main = "Histogram of Quantitative Variable",
xlab = "X Variable", ylab = "Y Variable")
```



```
plot(test$Selling.Price, test$Original.price,
      main = "Scatterplot of Selling.price vs. Original.price",
      xlab = "X Variable", ylab = "Y Variable",
      pch = 6, col = "blue")
```

Scatterplot of Selling.price vs. Orginal.price

