FML_ASSIG-1

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##source of my data set: https://www.kaggle.com/datasets/rukenmissonnier/age-weight-height-bmi-analysis

##Importing Data set into R

```r
library(readxl)
bmi <- read_excel("C:/Users/micha/Downloads/bmi.xlsx")
View(bmi)
```

#The descriptive statistics for the Dataset

```r
summary(bmi)
```

```
##       Age            Height          Weight            Bmi
##  Min.   :15.00   Min.   :1.460   Min.   : 25.90   Min.   :12.15
##  1st Qu.:22.00   1st Qu.:1.670   1st Qu.: 63.00   1st Qu.:22.13
##  Median :29.00   Median :1.721   Median : 72.90   Median :24.13
##  Mean   :31.62   Mean   :1.709   Mean   : 78.41   Mean   :26.37
##  3rd Qu.:40.00   3rd Qu.:1.751   3rd Qu.: 83.30   3rd Qu.:27.25
##  Max.   :61.00   Max.   :2.070   Max.   :270.00   Max.   :66.30
##    BmiClass
##  Length:741
##  Class :character
##  Mode  :character
##
##
##
```

#Transforming of Age in quantitative

```r
bmi$Age <- log(bmi$Weight)
summary(bmi$Age)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##   3.254   4.143   4.289   4.292   4.422   5.598
```

#Scatterplot of Bmi for the people

```r
plot(bmi$Age,bmi$Bmi,
    main="Scatterplot of age with BMI",
    xlab = "Age",
    ylab = "BMI",
    col = "blue")
```

Scatterplot of age with BMI