Assignment 1 FML

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Summary

This document contains the analysis of global unemployment data of all countries.

R Markdown

```
Global_unemployment <- read.csv("C:\\Users\\bhita\\Downloads\\archive\\global_unemployment_data.csv")
View(Global_unemployment)
```

This file has been imported from https://www.kaggle.com/datasets/sazidthe1/global-unemployment-data

```
mode(Global_unemployment$X2024)
```

```
## [1] "numeric"
```

```
median(Global_unemployment$X2020)
```

```
## [1] 8.0675
```

```
mean(Global_unemployment$X2020)
```

```
## [1] 11.85128
```

```
max(Global_unemployment$X2020)
```

```
## [1] 83.99
```

```
sd(Global_unemployment$X2020)
```

```
## [1] 11.23158
```

The above values represent descriptive statistics for selection of quantitative variable and the shows mode, median, mean, maximum value and standard deviation for the quantitative variables.

```
str(Global_unemployment$age_categories)
```

```
##  chr [1:1134] "Youth" "Adults" "Children" "Youth" "Adults" "Children" ...
```

The above values represent categorical descriptive analysis of variables

```
Global_unemployment_transformed <- (Global_unemployment$X2020 - mean(Global_unemployment$X2020)/median(
head(Global_unemployment_transformed)
```

```
## [1] 19.758984 12.609984 15.313984 12.982984  7.262984  8.988984
```
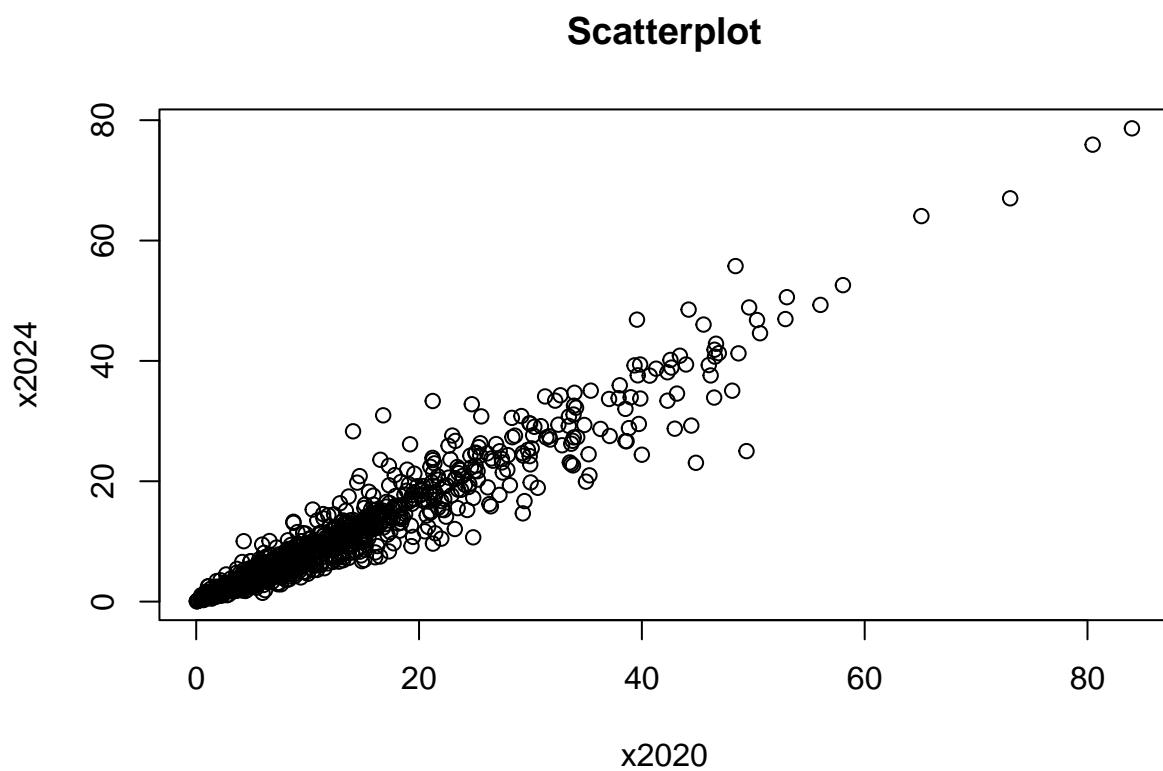
The above represents the transformation of variables.

```
hist(Global_unemployment$X2020)
```

Histogram of Global_unemployment$X2020
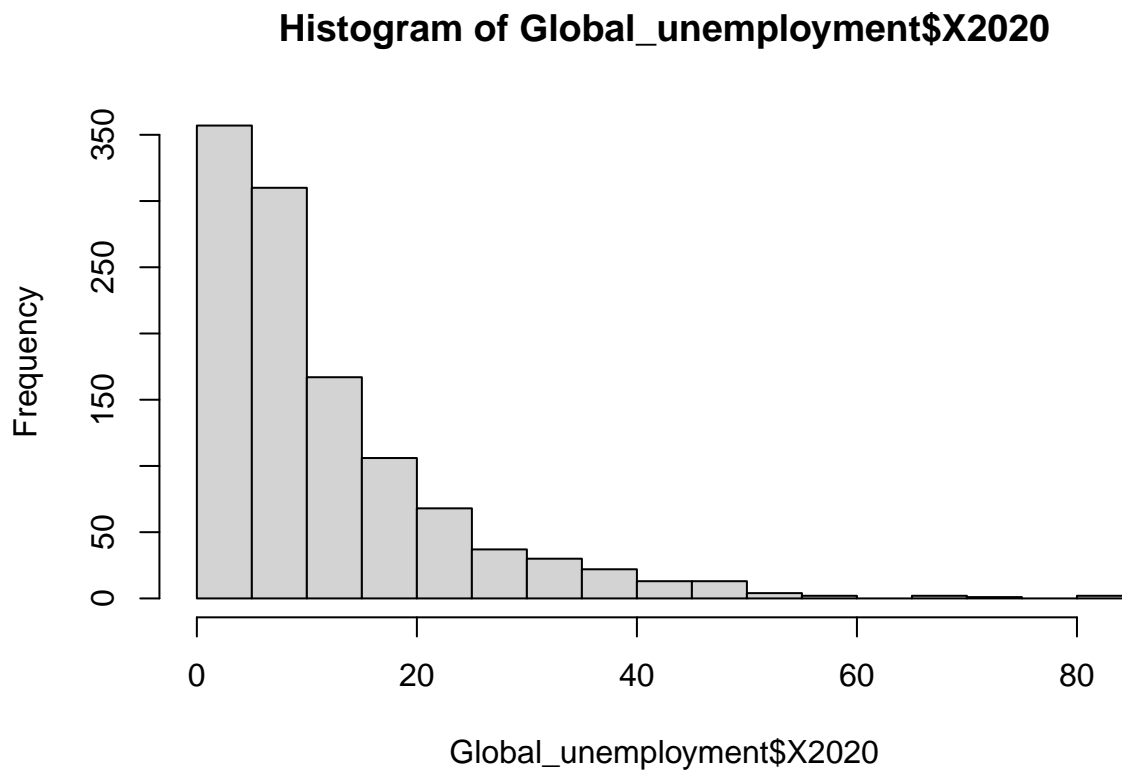
The above represents the graphical representation of histogram

```
x <- Global_unemployment$X2020
y <- Global_unemployment$X2024
plot(x,y, main = "Scatterplot", xlab = "x2020", ylab = "x2024")
```

Scatterplot

The above represents the graphical representation of scatterplot and the variables selected are unemployement in 2020 and 2024.