

FML ASSIGNMENT-1

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```
netflixdataset <- read.csv("C://Users//saiha//Downloads//netflixdataset//All Ended Netflix Original Shows.csv")  
# The data has been imported from https://www.kaggle.com/datasets/aminatl/all-ended-netflix-originals?r=1
```

```
mode(netflixdataset$Episodes)
```

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

```
median(netflixdataset$Seasons)
```

```
## [1] 4.5
```

```
mean(netflixdataset$Seasons)
```

```
## [1] 5.1
```

```
max(netflixdataset$Seasons)
```

```
## [1] 13
```

```
sd(netflixdataset$Seasons)
```

```
## [1] 3.435324
```

```
#These values represent descriptive statistics for a selection of quantitative variables.
```

```
#The above values shows mode, median, mean, maximum and standard deviation for the quantitative variables.
```

```
table(netflixdataset$Title)
```

```
##  
##               13 Reasons Why  
##                      1  
##               Altered Carbon  
##                      1  
##               Another Life  
##                      1  
## Armistead Maupin's Tales of the City
```

| | |
|----|-----------------------------------|
| ## | 1 |
| ## | Away |
| ## | 1 |
| ## | Behind Her Eyes |
| ## | 1 |
| ## | Black Summer |
| ## | 1 |
| ## | Bloodline |
| ## | 1 |
| ## | Chambers |
| ## | 1 |
| ## | Chilling Adventures of Sabrina |
| ## | 1 |
| ## | Criminal: UK |
| ## | 1 |
| ## | Cursed |
| ## | 1 |
| ## | Daredevil |
| ## | 1 |
| ## | Dash & Lily |
| ## | 1 |
| ## | Fate: The Winx Saga |
| ## | 1 |
| ## | Firefly Lane |
| ## | 1 |
| ## | Gilmore Girls: A Year in the Life |
| ## | 1 |
| ## | Godless |
| ## | 1 |
| ## | Grand Army |
| ## | 1 |
| ## | Gypsy |
| ## | 1 |
| ## | Hollywood |
| ## | 1 |
| ## | Homemade |
| ## | 1 |
| ## | House of Cards |
| ## | 1 |
| ## | Iron Fist |
| ## | 1 |
| ## | Jessica Jones |
| ## | 1 |
| ## | Kings of Jo'Burg |
| ## | 1 |
| ## | Locke & Key |
| ## | 1 |
| ## | Luke Cage |
| ## | 1 |
| ## | Marco Polo |
| ## | 1 |
| ## | Messiah |
| ## | 1 |
| ## | Mindhunter |

| | |
|----|---|
| ## | 1 |
| ## | Narcos |
| ## | 1 |
| ## | Narcos: Mexico |
| ## | 1 |
| ## | October Faction |
| ## | 1 |
| ## | Orange Is the New Black |
| ## | 1 |
| ## | Ozark |
| ## | 1 |
| ## | Queen Sono |
| ## | 1 |
| ## | Self Made: Inspired by the Life of Madam C. J. Walker |
| ## | 1 |
| ## | Sense8 |
| ## | 1 |
| ## | Seven Seconds |
| ## | 1 |
| ## | Social Distance |
| ## | 1 |
| ## | Soundtrack |
| ## | 1 |
| ## | Spinning Out |
| ## | 1 |
| ## | The Defenders |
| ## | 1 |
| ## | The Eddy |
| ## | 1 |
| ## | The English Game |
| ## | 1 |
| ## | The Get Down |
| ## | 1 |
| ## | The Haunting of Bly Manor |
| ## | 1 |
| ## | The Haunting of Hill House |
| ## | 1 |
| ## | The I-Land |
| ## | 1 |
| ## | The Innocents |
| ## | 1 |
| ## | The OA |
| ## | 1 |
| ## | The One |
| ## | 1 |
| ## | The Order |
| ## | 1 |
| ## | The Punisher |
| ## | 1 |
| ## | The Queen's Gambit |
| ## | 1 |
| ## | The Society |
| ## | 1 |
| ## | The Stranger |

```
##          1
##          Tidelands
##          1
##          Tiny Pretty Things
##          1
##          Trinkets
##          1
##          Unbelievable
##          1
##          Unorthodox
##          1
##          V Wars
##          1
##          Warrior Nun
##          1
##          What/If
##          1
##          When They See Us
##          1
##          White Lines
##          1
##          Wu Assassins
##          1
##          Young Wallander
##          1
```

```
str(netflixdataset$Premiere.Date)
```

```
## chr [1:70] "1-Feb-13" "11-Jul-13" "12-Dec-14" "20-Mar-15" "10-Apr-15" ...
```

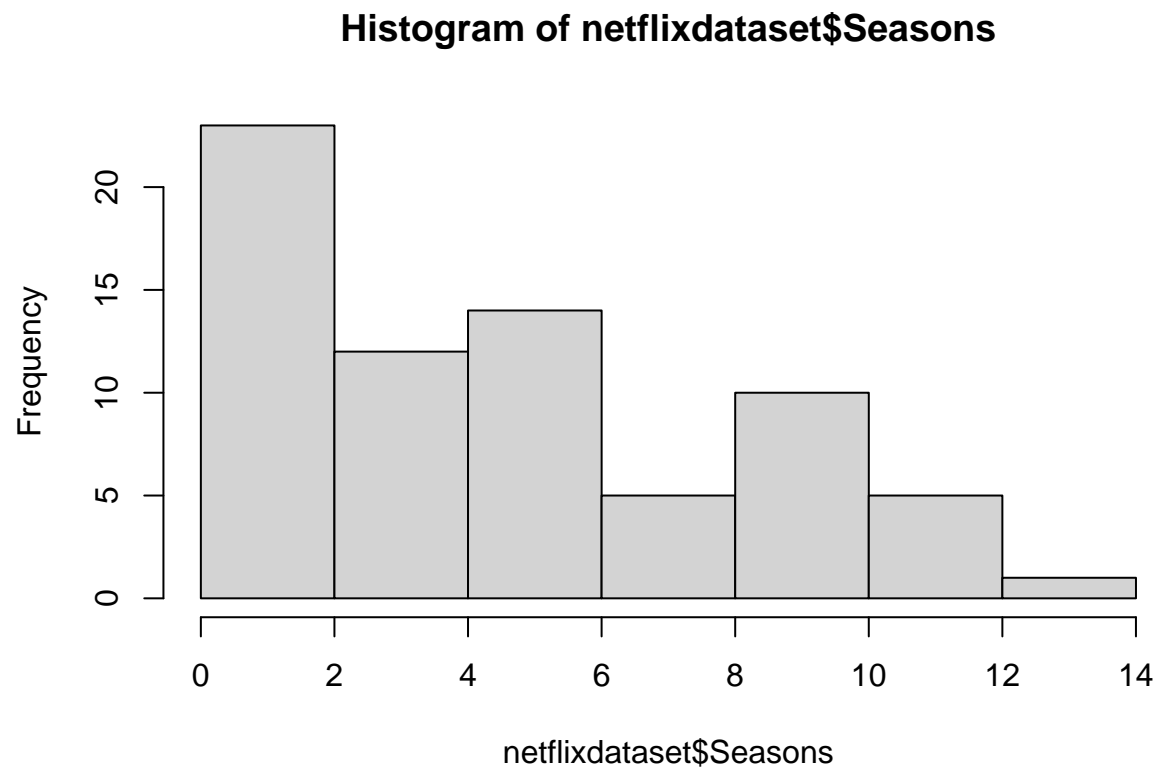
```
#These values represents categorical descriptive analysis of variables.
```

```
netflixdataset_transformed <- (netflixdataset$Seasons - mean(netflixdataset$Seasons)/median(netflixdataset$Seasons))
netflixdataset_transformed
```

```
## [1] 4.866667 5.866667 0.866667 1.866667 7.866667 4.866667
## [7] 1.866667 1.866667 0.866667 0.866667 -0.133333 3.866667
## [13] 1.866667 2.866667 -0.133333 2.866667 6.866667 0.866667
## [19] 3.866667 4.866667 6.866667 -0.133333 2.866667 7.866667
## [25] 2.866667 1.866667 -0.133333 0.866667 3.866667 -0.133333
## [31] 4.866667 -0.133333 2.866667 7.866667 0.866667 0.866667
## [37] 9.866667 7.866667 5.866667 0.866667 8.866667 -0.133333
## [43] 3.866667 6.866667 0.866667 7.866667 1.866667 10.866667
## [49] 10.866667 -0.133333 11.866667 4.866667 3.866667 4.866667
## [55] -0.133333 0.866667 4.866667 0.866667 7.866667 1.866667
## [61] 8.866667 -0.133333 9.866667 10.866667 4.866667 7.866667
## [67] 0.866667 0.866667 4.866667 7.866667
```

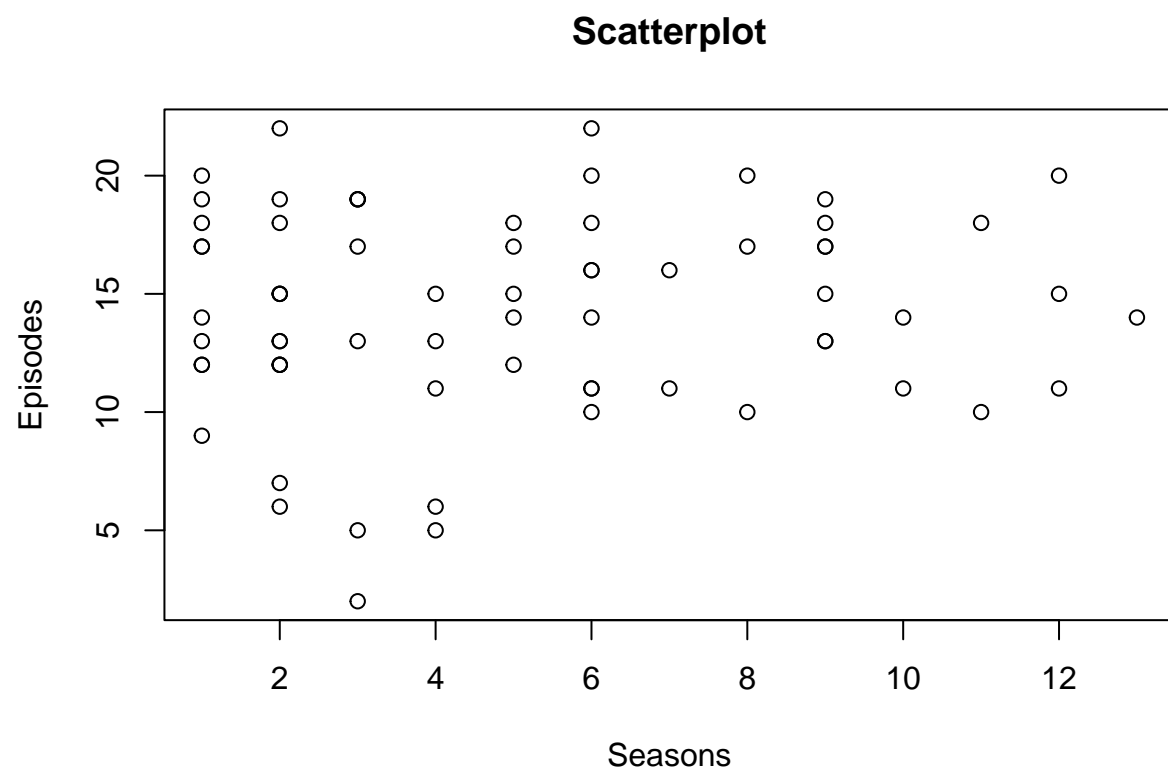
```
# Transformation of variables has been done above.
```

```
hist(netflixdataset$Seasons)
```



#The above graphical representation is a histogram.

```
x <- netflixdataset$Seasons  
y <- netflixdataset$Episodes  
plot(x,y, main = "Scatterplot", xlab = "Seasons", ylab = "Episodes")
```



*#The above graphical representation is a scatterplot.
#The selected variables are Episodes and Seasons.*