Assignment 1

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R Markdown

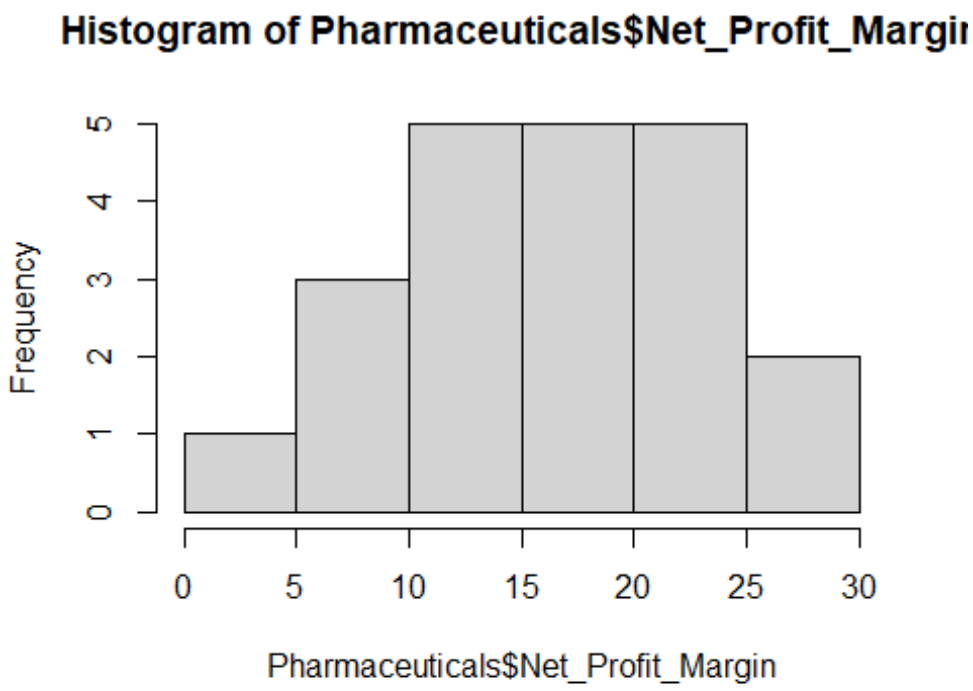
#Question 1: Downloaded "Pharmaceuticals" file from course Canvas page

```
# Question 2: Imported data
library(readr)
Pharmaceuticals <- read_csv("C:/Users/Kostoff/Desktop/Pharmaceuticals.csv")

## Rows: 21 Columns: 14
## ── Column specification
────────────────────────────────────────────────────────
## Delimiter: ","
## chr (5): Symbol, Name, Median_Recommendation, Location, Exchange
## dbl (9): Market_Cap, Beta, PE_Ratio, ROE, ROA, Asset_Turnover, Leverage,
Rev...
##
## ℹ Use `spec()` to retrieve the full column specification for this data.
## ℹ Specify the column types or set `show_col_types = FALSE` to quiet this
message.

#Question 3: Descriptive Statistics
mean(Pharmaceuticals$Market_Cap)

## [1] 57.65143

median(Pharmaceuticals$Rev_Growth)

## [1] 9.37

range(Pharmaceuticals$Net_Profit_Margin)

## [1]  2.6 25.5

table(Pharmaceuticals$Location)

##
##      CANADA      FRANCE     GERMANY     IRELAND SWITZERLAND          UK
##           1           1           1           1           1           3
##          US
##          13

#Question 4: Transformation
sqrt(Pharmaceuticals$Market_Cap)
```

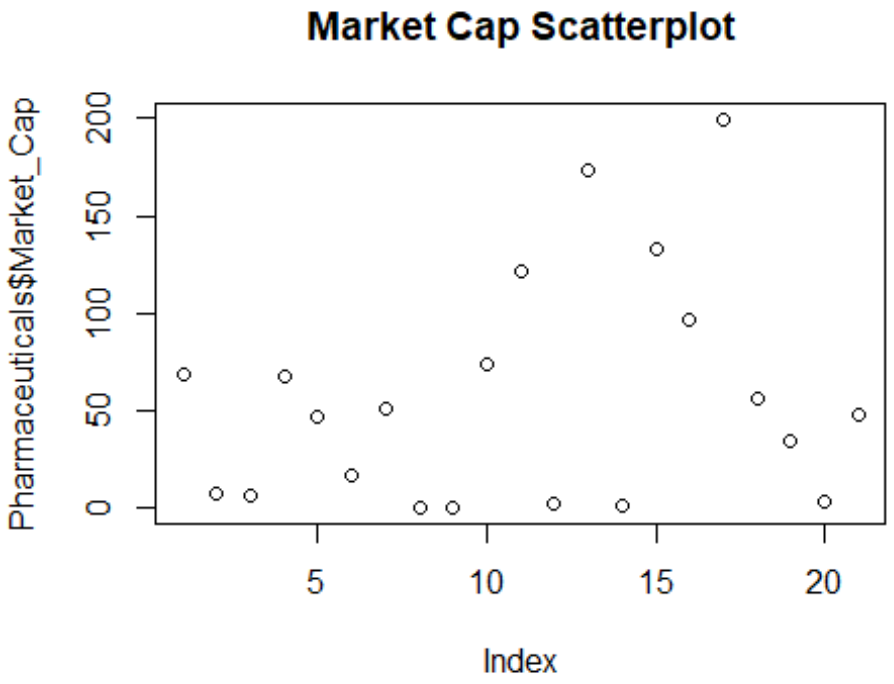
```
##  [1]  8.2728472  2.7531800  2.5099801  8.2237461  6.8673139  4.1109610
##  [7]  7.1644958  0.6403124  0.8831761  8.5930204 11.0503394  1.6124515
## [13] 13.1882523  1.0954451 11.5134704  9.8310732 14.1233849  7.4993333
## [19]  5.8395205  1.8055470  6.9419018
```

Question 5: Plots

```
hist(Pharmaceuticals$Net_Profit_Margin)
```




```
plot(Pharmaceuticals$Market_Cap, main = "Market Cap Scatterplot")
```


Market Cap Scatterplot
Pharmaceuticals$Market_Cap
0
50
100
150
200
5
10
15
20
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