Solutions for Homework I

Uğurcan Bayraktar

11/2/2021

Firstly, we import the tidyverse.

```
library(tidyverse)
```

Then, the data should be read. It is assigned to **revenue_data.**

```
revenue_data <- read_csv("data/Revenue_Chart_Full_Data_data.csv")
```

Year (copy), *Format*, *Value (Actual)* columns are renamed below.

```
colnames(revenue_data)
```

```
##  [1] "Year of Year Date"            "Adjusted for Inflation Notes"
##  [3] "Adjusted for Inflation Title" "Format"
##  [5] "Metric"                       "Year"
##  [7] "Value (For Charting)"         "Adjusted for Inflation Flag"
##  [9] "Year Date"                    "Format Value # (Billion)"
## [11] "Format Value # (Million)"     "Total Value # (Billion)"
## [13] "Total Value # (Million)"      "Total Value For Year"
## [15] "Value (Actual)"               "Year (copy)"
```

As you can see above, we need to change 4th, 15th and 16th elements.

We can select these elements with **colnames** function and rename with **paste** function.

```
colnames(revenue_data)[c(4, 15, 16)] <- paste(c("Format",
                                               "Value",
                                               "Year"))
```

If we print out the column names again, it can be seen the column names are renamed succesfully.

```
##  [1] "Year of Year Date"            "Adjusted for Inflation Notes"
##  [3] "Adjusted for Inflation Title" "Format"
##  [5] "Metric"                       "Year"
##  [7] "Value (For Charting)"         "Adjusted for Inflation Flag"
##  [9] "Year Date"                    "Format Value # (Billion)"
## [11] "Format Value # (Million)"     "Total Value # (Billion)"
## [13] "Total Value # (Million)"      "Total Value For Year"
## [15] "Value"                        "Year"
```