Worksheet#4

Junmar Mahipus BSIT-2A

2022-12-11

#a. Describe the data.

```
##
      Shoesizes Heights Gender
## 1
                   66.0
            6.5
                              F
                              F
## 2
            9.0
                    68.0
## 3
                              F
            8.5
                   64.5
                              F
            8.5
                   65.0
## 5
           10.5
                   70.0
                              Μ
## 6
            7.0
                   64.0
                              F
## 7
            9.5
                   70.0
                              М
## 8
            9.0
                   71.0
                              F
## 9
           13.0
                   72.0
                              Μ
## 10
            7.5
                   64.0
                              Μ
           10.5
                   74.5
                              М
## 11
                   67.0
## 12
            8.5
                              F
## 13
           12.0
                   71.0
                              Μ
## 14
           10.5
                   71.0
                              Μ
## 15
           13.0
                   77.0
                              М
## 16
           11.5
                   72.0
                              М
                              F
## 17
            8.5
                   59.0
            5.0
                              F
## 18
                   62.0
## 19
           10.0
                   72.0
                              Μ
## 20
            6.5
                    66.0
                              F
```

```
7.5
                     64.0
## 21
                                Μ
## 22
             8.5
                     67.0
                                Μ
## 23
            10.5
                     73.0
                                М
             8.5
                                F
## 24
                     69.0
## 25
            10.5
                     72.0
                                Μ
## 26
            11.0
                     70.0
                                Μ
## 27
             9.0
                     69.0
                                Μ
            13.0
## 28
                     70.0
                                М
```

#b. Find the mean of shoe size and height of the respondents. #Copy the codes and results.

summary(df)

```
##
      Shoesizes
                         Heights
                                          Gender
##
           : 5.000
                              :59.00
                                       Length:28
    1st Qu.: 8.500
                      1st Qu.:65.75
                                       Class : character
##
   Median : 9.000
                      Median :69.50
                                       Mode : character
           : 9.411
                              :68.57
##
    Mean
                      Mean
##
    3rd Qu.:10.500
                      3rd Qu.:71.25
   Max.
           :13.000
                      Max.
                              :77.00
```

SHOESIZE: Mean: 9.411

HEIGHT: Mean: 68.57

#c. Is there a relationship between shoe size and height? Why? # Yes, The Higher the height, the greater the shoesize. #the factor levels below the actual values.

```
##
    [1] March
                             January
                                       November
                                                            September October
                  April
                                                  January
    [8] September November
                             August
                                       January
                                                  November
                                                            November
                                                                      February
                                                                       September
## [15] May
                  August
                             July
                                       December
                                                  August
                                                            August
## [22] November February
                             April
## 11 Levels: April August December February January July March May ... September
```

#3. Then check the summary() of the months_vector and factor_months_vector. | #Interpret the results of both vectors. Are they both equally useful in this case?

```
summary(Months)
```

```
## Length Class Mode
## 24 character character
```

```
summary(factor_Months)
                                                                July
##
        April
                 August December February
                                                  January
                                                                          March
                                                                                        May
##
                       4
##
    November
                October September
##
            5
                       1
#4. Create a vector and factor for the table below.
factor_data \leftarrow c(1,4,3)
new_order_data <- factor(factor_data,levels = c("East","West","North"))</pre>
print(new_order_data)
## [1] <NA> <NA> <NA>
## Levels: East West North
#5. Enter the data below in Excel with file name = import_march.csv
#a. Import the excel file into the Environment Pane using read.table() function.
getwd()
```

import <- read.table("import_march.csv", header = TRUE, sep=",")</pre>

#b. View the dataset. Write the code and its result.

import