Worksheet-3b in R

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R Markdown

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#Worksheet#4

#del Carmen

library(dplyr)
library(readr)
library(data.table)

#a. Describe the data.

Shoesize <- c(6.5,9.0,8.5,8.5,10.5,7.0,9.5,9.0,13.0,
              7.5,10.5,8.5,12.0,10.5,
              13.0,11.5,8.5,5.0,10.0,
              6.5,7.5,8.5,10.5,8.5,10.5,11.0,9.0,13.0)

Height <- c(66.0,68.0,64.5,65.0,70.0,
            64.0,70.0,71.0,72.0,64.0,
            74.5,67.0,71.0,71.0,77.0,72.0,
            59.0,62.0,72.0,66.0,64.0,67.0,73.0,
            69.0,72.0,70.0,69.0,70)

Gender <- c("F","F","F","F","M","F","M","F","M",
             "M","M","F","M","M","M","M","F","F",
            "M","F","M","M","M","F","M","M","M","M")

 df <- data.frame(Shoesize,Height,Gender)
 df

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

summary(df)

# 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.
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Months <- c("March","April","January","November","January",
"September","October","September","November","August",
"January","November","November","February","May","August",
"July","December","August","August","September","November","February","April")

factor_Months <- factor(Months)
factor_Months


#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)

summary(factor_Months)

#4. Create a vector and factor for the table below.
factor_data <- c(1,4,3)


new_order_data <- factor(factor_data,levels = c("East","West","North"))

print(new_order_data)

#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.

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


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

View(import_march)
```