

RWorksheet_Rizardo#4

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```
one_shoe <- 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)
first_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)
gender_one <- c('f', 'f', 'f', 'f', 'm', 'f', 'f', 'f', 'm',
               'f', 'm', 'f', 'm', 'm')
two_shoe <- c(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)
second_height <- c(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, 70.0)
gender_two <- c('m', 'm', 'f', 'f', 'm', 'f', 'f', 'm', 'm',
               'f', 'm', 'm', 'm', 'm')

table_data <- data.frame(one_shoe, first_height, gender_two, two_shoe,
                        second_height, gender_two.1)
table_data
```

```
##      one_shoe first_height gender_two two_shoe second_height gender_two.1
## 1         6.5         66.0          m      13.0           77            m
## 2         9.0         68.0          m      11.5           72            m
## 3         8.5         64.5          f       8.5           59            f
## 4         8.5         65.0          f       5.0           62            f
## 5        10.5         70.0          m      10.0           72            m
## 6         7.0         64.0          f       6.5           66            f
## 7         9.5         70.0          f       7.5           64            f
## 8         9.0         71.0          m       8.5           67            m
## 9        13.0         72.0          m      10.5           73            m
## 10        7.5         64.0          f       8.5           69            f
## 11        10.5         74.5          m      10.5           72            m
## 12         8.5         67.0          m      11.0           70            m
## 13        12.0         71.0          m       9.0           69            m
## 14        10.5         71.0          m      13.0           70            m
```

```
shoe_size <- cbind(one_shoe,two_shoe)
shoe_size
```

```
##      one_shoe two_shoe
## [1,]       6.5     13.0
## [2,]       9.0     11.5
## [3,]       8.5       8.5
## [4,]       8.5       5.0
```

```
## [5,] 10.5 10.0
## [6,] 7.0 6.5
## [7,] 9.5 7.5
## [8,] 9.0 8.5
## [9,] 13.0 10.5
## [10,] 7.5 8.5
## [11,] 10.5 10.5
## [12,] 8.5 11.0
## [13,] 12.0 9.0
## [14,] 10.5 13.0
```

```
mean(shoe_size)
```

```
## [1] 9.410714
```

```
height <- cbind(first_height, second_height)
height
```

```
##      first_height second_height
## [1,]         66.0           77
## [2,]         68.0           72
## [3,]         64.5           59
## [4,]         65.0           62
## [5,]         70.0           72
## [6,]         64.0           66
## [7,]         70.0           64
## [8,]         71.0           67
## [9,]         72.0           73
## [10,]        64.0           69
## [11,]        74.5           72
## [12,]        67.0           70
## [13,]        71.0           69
## [14,]        71.0           70
```

```
mean(height)
```

```
## [1] 68.57143
```

```
month <- 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_month <- factor(month)
factor_month
```

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

```
factor_months_vector <- factor_month
factor_months_vector
```

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

```
summary(factor_month)
```

```
##      April      August  December  February  January      July      March      May
##         2         4         1         2         3         1         1         1
## November  October September
##         5         1         3
```

```
summary(factor_months_vector)
```

```
##      April      August  December  February  January      July      March      May
##         2         4         1         2         3         1         1         1
## November  October September
##         5         1         3
```

```
Direction <- c("East", "West", "North")
Direction
```

```
## [1] "East" "West" "North"
```

```
Frequency <- c(1, 4, 3)
Frequency
```

```
## [1] 1 4 3
```

```
vecss <- data.frame(Direction, Frequency)
vecss
```

```
##   Direction Frequency
## 1      East         1
## 2      West         4
## 3     North         3
```

```
factor_vector <- factor(Direction)

new_order_data <- factor(factor_vector, levels = c("East", "West", "North"))
print(new_order_data)
```

```
## [1] East West North
## Levels: East West North
```

```
setwd("C:/Users/Acer/Downloads")  
getwd()
```

```
## [1] "C:/Users/Acer/Downloads"
```

```
excel_data <- read.table("import_march.csv", sep=";", header=TRUE, stringsAsFactor=FALSE);  
excel_data
```

```
##  students strategy.1 strategy.2 strategy.3  
## 1      male         8         10          8  
## 2              4          8          6  
## 3              0          6          4  
## 4    female      14          4         15  
## 5              10          2         12  
## 6              6          0          9  
## 7              NA         NA         NA
```

```
View(excel_data)
```