## RWorksheet\_Sanceda#4A

## 2024-10-14

```
##
      ShoeSize Height Gender
## 1
                  66.0
           6.5
## 2
           9.0
                  68.0
                             F
## 3
           8.5
                  64.5
                  65.0
## 4
           8.5
## 5
           10.5
                  70.0
## 6
           7.0
                  64.0
                             F
## 7
           9.5
                  70.0
                  71.0
## 8
           9.0
                             F
## 9
           13.0
                  72.0
                             М
## 10
           7.5
                  64.0
                             F
          10.5
                  74.5
## 11
                             Μ
           8.5
                  67.0
## 12
                             F
## 13
          12.0
                  71.0
                             Μ
## 14
          10.5
                  71.0
                             Μ
## 15
          13.0
                  77.0
                             М
                  72.0
## 16
           11.5
                             М
## 17
           8.5
                  59.0
                             F
                             F
## 18
           5.0
                  62.0
## 19
          10.0
                  72.0
                             М
## 20
           6.5
                  66.0
## 21
           7.5
                  64.0
                             F
## 22
           8.5
                  67.0
## 23
           10.5
                  73.0
                             М
## 24
           8.5
                  69.0
                             F
## 25
          10.5
                  72.0
                             Μ
## 26
          11.0
                  70.0
                             М
## 27
           9.0
                  69.0
                             М
## 28
           13.0
                  70.0
                             М
```

```
#b.
   Male <- subset(Shoes_Tble, Gender == "M", select = c(ShoeSize, Gender, Height))
##
     ShoeSize Gender Height
## 5
         10.5
                  M
                      70.0
## 9
         13.0
                      72.0
                  M
## 11
         10.5
                  M
                      74.5
## 13
         12.0
                      71.0
                 M
## 14
         10.5
                 M
                      71.0
## 15
        13.0
                 M 77.0
## 16
        11.5
                 M 72.0
                 M 72.0
## 19
        10.0
## 22
         8.5
                 M 67.0
## 23
        10.5
                 M 73.0
## 25
        10.5
                 M 72.0
## 26
         11.0
                  M
                      70.0
## 27
         9.0
                  M
                      69.0
## 28
         13.0
                  M 70.0
   Female <- subset(Shoes_Tble, Gender == "F", select = c(ShoeSize, Gender, Height))
   Female
##
     ShoeSize Gender Height
## 1
          6.5
                 F
                      66.0
## 2
          9.0
                  F
                      68.0
## 3
          8.5
                      64.5
                      65.0
## 4
          8.5
                  F
## 6
          7.0
                  F
                      64.0
## 7
          9.5
                  F
                      70.0
## 8
          9.0
                  F
                      71.0
          7.5
                  F
                      64.0
## 10
## 12
          8.5
                  F
                      67.0
## 17
          8.5
                  F
                      59.0
## 18
          5.0
                  F
                      62.0
## 20
          6.5
                  F
                      66.0
## 21
                  F
          7.5
                      64.0
## 24
          8.5
                      69.0
#c.
   Mean_Size <- mean(ShoeSize)</pre>
   Mean_Size
## [1] 9.410714
   Mean_Height <- mean(Height)</pre>
   Mean_Height
```

## [1] 68.57143

```
#d. Yes, because the bigger or taller you are the more likely your shoe size is also bigger.
#2.
   Months <- c("March", "April", "January", "November", "January", "September", "October", "September"
   Factor_Mnths <- factor(Months)</pre>
   Factor_Mnths
##
    [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
    assign("Factor_Months_Vector",Factor_Mnths)
   Factor_Months_Vector
   [1] March
                            January
                                                           September October
                  April
                                      November
                                                 January
  [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
#3.
    summary(Months)
                 Class
                            Mode
##
      Length
##
          24 character character
    summary(Factor_Months_Vector)
##
       April
                August December February
                                                           July
                                                                    March
                                                                                 May
                                              January
##
           2
                     4
                                          2
                                                    3
                                                              1
                                                                         1
                                                                                   1
##
   November
               October September
##
                     1
```

```
#4.

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

Frequency <- c(1,4,3)

DirFreq <- data.frame(Direction, Frequency)

DirFreq
```

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

```
new_order_data <- factor(Direction ,levels = c("East","West","North"))</pre>
print(new_order_data)
## [1] East West North
## Levels: East West North
#5.
     Excel <- read.table("import_march.csv", header = TRUE, sep = ",", stringsAsFactors = FALSE)</pre>
     Excel
    Student Strategy.1 Strategy.2 Strategy.3
## 1 Male
                  8
                              10
## 2
                    4
                               8
                                          6
                    0
## 3
                              6
                                          4
## 4 Female
                  14
                               4
                                        15
## 5
                               2
                                         12
                    10
## 6
                    6
                                         9
```