RWorksheet_Gallenero#4a

2023-10-25

```
#Create a data frame
shoe_size <- 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)
shoe_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, 70.0)
gender <- c ( "F", "F","F", "F", "M", "F", "F", "F", "M", "F", "M",
              "F", "M", "M", "M", "M", "F" , "F" , "M" , "F", "F", "M"
              , "M", "F" , "M", "M", "M", "M")
shoe_size
```

```
##  [1]  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
## [16] 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
```

```
shoe_height
```

```
##  [1] 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
## [16] 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
```

```
##  [1] "F" "F" "F" "F" "M" "F" "F" "F" "M" "F" "M" "F" "M" "M" "M" "M" "F" "F" "M"
## [20] "F" "F" "M" "M" "F" "M" "M" "M" "M"
```

```
Household_Data <- data.frame(
  ShoeSize = shoe_size,
  Height = shoe_height,
  Gender= gender
)
Household_Data
```

```
##    ShoeSize Height Gender
## 1       6.5   66.0      F
## 2       9.0   68.0      F
## 3       8.5   64.5      F
## 4       8.5   65.0      F
## 5      10.5   70.0      M
## 6       7.0   64.0      F
## 7       9.5   70.0      F
## 8       9.0   71.0      F
## 9      13.0   72.0      M
## 10      7.5   64.0      F
## 11     10.5   74.5      M
## 12      8.5   67.0      F
## 13     12.0   71.0      M
```

```
## 14     10.5   71.0      M
## 15     13.0   77.0      M
## 16     11.5   72.0      M
## 17      8.5   59.0      F
## 18      5.0   62.0      F
## 19     10.0   72.0      M
## 20      6.5   66.0      F
## 21      7.5   64.0      F
## 22      8.5   67.0      M
## 23     10.5   73.0      M
## 24      8.5   69.0      F
## 25     10.5   72.0      M
## 26     11.0   70.0      M
## 27      9.0   69.0      M
## 28     13.0   70.0      M
```

```
#a. Desribe the data
#b.
#c.
sizemean <- mean(Household_Data$ShoeSize)
sizemean
```

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

```
heightmean <- mean(Household_Data$Height)
heightmean
```

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