

```
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)
Height <- c(66.0, 68.0, 64.0, 65.0, 70.0, 64.0, 70.0, 71.0, 72.0, 64.0, 74.0, 67.0, 71.0, 71.0, 77.0, 70.0)
Gender <- c("F", "F", "F", "F", "M", "F", "F", "F", "M", "F", "M", "F", "M", "M", "M", "M", "F", "F", "F")
```

##	Shoesize	Height	Gender
## 1	6.5	66	F
## 2	9.0	68	F
## 3	8.5	64	F
## 4	8.5	65	F
## 5	10.5	70	M
## 6	7.0	64	F
## 7	9.5	70	F
## 8	9.0	71	F
## 9	13.0	72	M
## 10	7.5	64	F
## 11	10.5	74	M
## 12	8.5	67	F
## 13	12.0	71	M
## 14	10.5	71	M
## 15	13.0	77	M
## 16	11.5	72	M
## 17	8.5	59	F
## 18	5.0	62	F
## 19	10.0	72	M
## 20	6.5	66	F
## 21	7.5	64	F
## 22	8.5	67	M
## 23	10.5	73	M
## 24	8.5	69	F
## 25	10.5	72	M
## 26	11.0	70	M
## 27	9.0	69	M
## 28	13.0	70	M

##	Shoesize	Height	Gender
## 5	10.5	70	M
## 9	13.0	72	M
## 11	10.5	74	M
## 13	12.0	71	M
## 14	10.5	71	M
## 15	13.0	77	M
## 16	11.5	72	M
## 19	10.0	72	M
## 22	8.5	67	M
## 23	10.5	73	M

```
## 25      10.5      72      M
## 26      11.0      70      M
## 27       9.0      69      M
## 28      13.0      70      M
```

```
SSFemale <- subset(HouseholdData, Gender=="F")
SSFemale
```

```
##      Shoesize Height Gender
## 1         6.5      66      F
## 2         9.0      68      F
## 3         8.5      64      F
## 4         8.5      65      F
## 6         7.0      64      F
## 7         9.5      70      F
## 8         9.0      71      F
## 10        7.5      64      F
## 12        8.5      67      F
## 17        8.5      59      F
## 18        5.0      62      F
## 20        6.5      66      F
## 21        7.5      64      F
## 24        8.5      69      F
```

```
mean(Shoesize)
```

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

```
mean(Height)
```

```
## [1] 68.53571
```

```
#2.
```

```
months <- c("March","April","January","November","January",
"September","October","September","November","August",
"January","November","November","February","May","August", "July","December","August","August","September")
```

```
factor_months <- factor(months)
factor_months
```

```
## [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
```

```
#3.
```

```
summary(months)
```

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

```
summary(factor_months)
```

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

```
#4.
```

```
Direction <- c("East", "West", "North")  
Frequency <- c(1,4,3)
```

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

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

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

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

```
import_march <- "C:/Users/victo/OneDrive/Desktop/R/RWorksheet4/import_march.csv"  
ExcelData <- read.table(import_march, header = TRUE, sep = ",")
```

```
## Warning in read.table(import_march, header = TRUE, sep = ","): line 1 appears  
## to contain embedded nulls
```

```
## Warning in read.table(import_march, header = TRUE, sep = ","): incomplete final  
## line found by readTableHeader on  
## 'C:/Users/victo/OneDrive/Desktop/R/RWorksheet4/import_march.csv'
```

```
ExcelData
```

```
## [1] PK...  
## <0 rows> (or 0-length row.names)
```