RWorksheet_Ganon#4a

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```
#1
Datar <- read.csv("HouseData.csv")

#a. the data shows the different shoe sizes, height and the gender of the people in the household.

#b.
male <- subset(Datar, Gender == "M" & Shoe.size&Height)
male
```

```
##    Shoe.size Height Gender
## 5       10.5   70.0      M
## 9       13.0   72.0      M
## 11      10.5   74.5      M
## 13      12.0   71.0      M
## 14      10.5   71.0      M
## 15      13.0   77.0      M
## 16      11.5   72.0      M
## 19      10.0   72.0      M
## 22       8.5   67.0      M
## 23      10.5   73.0      M
## 25      10.5   72.0      M
## 26      11.0   70.0      M
## 27       9.0   69.0      M
## 28      13.0   70.0      M
```

```
female <- subset(Datar, Gender == "F" & Shoe.size&Height)
female
```

```
##    Shoe.size 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
## 6        7.0   64.0      F
## 7        9.5   70.0      F
## 8        9.0   71.0      F
## 10       7.5   64.0      F
## 12       8.5   67.0      F
## 17       8.5   59.0      F
## 18       5.0   62.0      F
## 20       6.5   66.0      F
## 21       7.5   64.0      F
## 24       8.5   69.0      F
```

#c mean1 <- mean(Datar$Shoe.size)$mean1$mean2 < -$mean(Datar$Height) mean2

#d yes there is a relationship between the size of the male and the female shoe size and height.

#2.

```
Months <- c("March", "April" ,"January" ,"November" ,"January", "September","October","September","Nover

factor_monthsvector <- factor(Months)
factor_monthsvector
```

```
##  [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.

```
Summation <-summary(Months)
Summation
```

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

```
Summation2 <-summary(factor_monthsvector)
Summation2
```

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

#4.

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

factor_data <- matrix(List,nrow=3,ncol=2)
factor_data
```

```
##      [,1]    [,2]
## [1,] "East"  "1"
## [2,] "West"  "4"
## [3,] "North" "3"
```

```
#4.1
colnames(factor_data) <- c("Direction", "Frequency")
factor_data
```

```
##      Direction Frequency
## [1,] "East"    "1"
## [2,] "West"    "4"
## [3,] "North"   "3"
```

#5. a

```
setwd("/cloud/project/Worksheet4")
Strats <- read.table("import_march.csv", header= TRUE, sep = ",")
Strats
```

```
##   Students Strategy.1 Strategy.2 Strategy.3  X
## 1     Male          8         10          8 NA
```

```
## 2                   4          8          6 NA
## 3                   0          6          4 NA
## 4                  NA         NA         NA NA
## 5   Female         14          4         15 NA
## 6                  10          2         12 NA
## 7                   6          0          9 NA
```

#5 b

```
str("import_march")
```

```
##  chr "import_march"
```