## IT24102307

```
setwd("C:\Users\msi\\Downloads")
getwd()

#Exercise

#i.

observed<-c(120,95,85,100)
prob<-c(.25,.25,.25)
chisq.test(x=observed,p=prob)

#ii.

file_path <- "http://www.sthda.com/sthda/RDoc/data/housetasks.txt"
housetasks <- read.delim(file_path, row.names = 1)
housetasks <- read.delim(file_path, row.names = 1)

housetasks <- chisq.test(housetasks)

chisq

#fiii.

#file_path <- white_index in the problem in t
```

```
R 4.5.1 · C:/Users/msi/Downloads/ →
> getwd()
[1] "C:/Users/msi/Downloads"
> #i.
> observed<-c(120,95,85,100)</pre>
> prob<-c(.25,.25,.25,.25)
> chisq.test(x=observed,p=prob)
        Chi-squared test for given probabilities
data: observed
X-squared = 6.5, df = 3, p-value = 0.08966
> file_path <- "http://www.sthda.com/sthda/RDoc/data/housetasks.txt"</pre>
> housetasks <- read.delim(file_path, row.names = 1)</pre>
> housetasks
           Wife Alternating Husband Jointly
Laundry
            156
                          14
                                    2
                                    5
Main_meal
            124
                          20
                                             4
                                    7
Dinner
              77
                          11
                                            13
Breakfeast
              82
                           36
                                   15
                                             7
              53
                                            57
Tidying
                          11
                                    1
Dishes
              32
                           24
                                    4
                                            53
Shopping
              33
                          23
                                    9
                                            55
Official
             12
                          46
                                   23
                                            15
Driving
             10
                           51
                                   75
                                             3
Finances
              13
                          13
                                   21
                                            66
                                   53
                                            77
Insurance
               8
                           1
               0
                            3
                                  160
                                             2
Repairs
                           1
                                           153
Holidays
               0
                                    6
> chisq <- chisq.test(housetasks)</pre>
> chisa
        Pearson's Chi-squared test
data: housetasks
X-squared = 1944.5, df = 36, p-value < 2.2e-16
```

```
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> getwd()
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> #i.
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        Chi-squared test for given probabilities
data: observed
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                          23
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             10
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                                   75
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                          13
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                                            66
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                                            77
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                                  160
                                             2
Repairs
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Holidays
               0
                                    6
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> chisa
        Pearson's Chi-squared test
data: housetasks
X-squared = 1944.5, df = 36, p-value < 2.2e-16
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