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Lab sheet 10

```
> file_path <- "http://www.sthda.com/sthda/RDoc/data/housetasks.txt"
> file_path <- "http://www.sthda.com/sthda/RDoc/data/housetasks.txt"
> housetasks <- read.delim(file_path, row.names = 1)</pre>
> housetasks
           Wife Alternating Husband Jointly
                                   2
Laundry
            156
                          14
                                            4
Main_meal
            124
                          20
                                   5
                                            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
                          46
                                  23
                                           15
             12
Drivina
             10
                          51
                                  75
                                           3
             13
                          13
                                  21
Finances
                                           66
              8
                                  53
Insurance
                           1
                                           77
Repairs
              0
                           3
                                 160
                                           2
Holidays
              0
                                          153
                           1
> chisq <- chisq.test(housetasks)</pre>
> chisq
        Pearson's Chi-squared test
data: housetasks
X-squared = 1944.5, df = 36,
p-value < 2.2e-16
> |
```

```
> ##Q3
> #Consider 25% level of significant for the class
> #Rejection Region: if the p value for the test is less than 0.25,
> #Reject the null hypothesis at 25% level of significant
> #P value for the test got as 2.2e-16
> |
```