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Name – Dadallage.S

Lab sheet 10

1.

2.

```
> 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
Laundry
             156
                          14
                                    2
Main_meal
                           20
                                    5
             124
                                            4
Dinner
              77
                           11
                                    7
                                           13
                                   15
Breakfeast
              82
                           36
                                           7
              53
                                           57
Tidying
                          11
                                    1
              32
                                           53
Dishes
                           24
                                    4
                                    9
Shopping
              33
                           23
                                           55
Official
              12
                           46
                                   23
                                           15
Driving
              10
                           51
                                   75
                                            3
Finances
              13
                           13
                                   21
                                           66
                                   53
                                           77
Insurance
              8
                           1
Repairs
               0
                           3
                                  160
                                            2
                           1
Holidays
               0
                                    6
                                          153
> chisq <- chisq.test(housetasks)</pre>
> chisq
         Pearson's Chi-squared test
data: housetasks
X-squared = 1944.5, df = 36, p-value < 2.2e-16
> |
3.
> ##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
> |
```