Sri Lanka Institute of Information Technology



Lab Submission
Lab sheet No 10

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Probability and Statistics | IT2120

B.Sc. (Hons) in Information Technology

Exercise

Snack_Type	Count
A	120
В	95
С	85
D	100

```
Untitled1* ×
3 #Exercise
  4 <u>#1</u>)
  5 #i)
  6 # HO: pi = 0.25 (i = 1, 2, 3, 4) (Null Hypothesis)
  7 # H1: pi != 0.25 (Alternative Hypothesis)
  8
 9 #ii)
 10 observed <- c(50, 45, 40, 65)
 11
 12 chisq.test(x = observed, p = rep(1/4, 4))
 13
 14 #iii)
 15 #Conclusions
 #Significance level = 0.05
 17 #p value = 0.0719 > 0.05, so we fail to reject H0
```

