Sri Lanka Institute of Information

Technology



Lab Submission

Lab sheet No 10

**IT24101927**

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**IT2120 - Probability and Statistics**

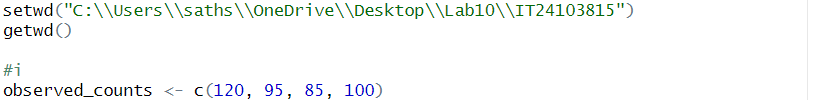
B.Sc. (Hons) in Information Technology

**Exercise**

1. A vending machine owner claims that customers choose the four snack types (A, B, C, D) with equal probability. To test this claim, a researcher records the number of purchases for each snack type during one week and results are given below.



1. State the null and alternative hypotheses for the test.



Answer:-

A close up of a computer screen

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1. Perform a suitable chi-squared test to test the null hypothesis.

A number on a white background

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Answer:-



1. Give your conclusions based on the results. A black and white image of letters and numbers

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Answer:-

A math equations on a white background

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