

Sri Lanka Institute of Information Technology



Lab Submission
Lab Sheet 10

IT24100024

Mayureshan Parameswaran

Probability and Statistics | IT2120

B.Sc. (Hons) in Information Technology

```
setwd("E:\\SLIIT\\2nd Year 1st Semester\\Probabilities and Statistics\\Lab 10")
```

```
#i
```

```
observed_counts <- c(120, 95, 85, 100)
```

```
#ii
```

```
probabilities <- c(0.25, 0.25, 0.25, 0.25)
```

```
#iii
```

```
chisq.test(x = observed_counts, p = probabilities)
```

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```

Chi-squared test for given probabilities

data: observed_counts

X-squared = 6.5, df = 3, p-value = 0.08966