

Sri Lanka Institute of Information Technology



Lab Submission
<Lab sheet No 06>

<IT24101739>

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Probability and Statistics | IT2120

B.Sc. (Hons) in Information Technology

Exercise

```
IT24101739 Lab 06.R x
Source on Save Run
1 setwd("C:\\Users\\Maleesha\\OneDrive\\Desktop\\IT24101739\\Lab 06")
2 getwd()
3
4 #Question 01
5 #1) Binomial Distribution
6 #2)
7 1-pbinom(46,50,0.85,lower.tail=TRUE)
8
9 #Question 02
10 #1) Number of calls per Hour
11 #2) Poisson Distribution
12 #3)
13 dpois(15,12)
14 |
```

```
Console Terminal x Background Jobs x
R 4.5.1 · C:/Users/Maleesha/OneDrive/Desktop/IT24101739/Lab 06/
> setwd("C:\\Users\\Maleesha\\OneDrive\\Desktop\\IT24101739\\Lab 06")
> getwd()
[1] "C:/Users/Maleesha/OneDrive/Desktop/IT24101739/Lab 06"
>
> #Question 01
> #1) Binomial Distribution
> #2)
> 1-pbinom(46,50,0.85,lower.tail=TRUE)
[1] 0.04604658
>
> #Question 02
> #1) Number of calls per Hour
> #2) Poisson Distribution
> #3)
> dpois(15,12)
[1] 0.07239112
> |
```