

Sri Lanka Institute of Information Technology



Lab Submission
<Lab sheet No 06>

<IT24103315>

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Probability and Statistics | IT2120

B.Sc. (Hons) in Information Technology

```
1 setwd("C:\\Users\\kusha\\OneDrive\\Desktop\\IT24103315")
2
3 #01(1)
4 n <- 50
5 p <- 0.85
6 cat("X ~ Binomial(",n,"",",p,"")")
7
8 #01(02)
9 p1 <- pbinom(46,n,p)
10 p1
11
12 #02(01)
13 # X = Number of calls received in one hour
14
15 #02(02)
16 lamda <- 12
17 cat("X ~ Poisson (", lamda,"")")
18
19 #02(03)
20 dpois(15,lambda = lamda)
21
22
```

```
Console Terminal Background Jobs
R - R 4.5.1 - C:/Users/kusha/OneDrive/Desktop/IT24103315/
> setwd("C:\\Users\\kusha\\OneDrive\\Desktop\\IT24103315")
> #01(1)
> n <- 50
> p <- 0.85
> cat("X ~ Binomial(",n,"",",p,"")")
X ~ Binomial( 50 , 0.85 )
> p1 <- pbinom(46,n,p)
> p1
[1] 0.9539534
> lamda <- 12
> cat("X ~ Poisson (", lamda,"")")
X ~ Poisson ( 12 )
> dpois(15,lambda = lamda)
```

Environment	History	Connections	Tutorial
R - Global Environment			
Values			
lamda	12		
n	50		
p	0.85		
p1	0.953953421107698		

