## PS-Lab 06

## IT24102555

## Weerathunga B.A

```
\Box
1 setwd("D:\\SLIIT\\Y2S1\\PS\\week 7\\IT24102555-Lab06")
                                                                           → Run | → ↑ ↓ | → Source - =
   getwd()
 4 #Question 01
5 #i)
 6 #Binomial Theorum
 8 #Here, random variabl X has binomial distribution with n=50 and p=0.85
9 1-pbinom(46,50,0.85, lower.tail = TRUE)
 10
 11 #Question 02
12 #i)
13 #X=number of calls in one hour
 15 #Poisson Distribution
 16 #iii)
    #Here, random variable X has poisson distribustion with lambda=12
 17
 18 dpois(15,12)
 Console Terminal ×
                    Background Jobs ×
 > setwd("D:\\SLIIT\\Y2S1\\PS\\week 7\\IT24102555-Lab06")
> getwd()
[1] "D:/SLIIT/Y2S1/PS/week 7/IT24102555-Lab06"
> #Question 01
> #i)
> #Binomial Theorum
> #ii)
> #Here, random variabl X has binomial distribution with n=50 and p=0.85
> 1-pbinom(46,50,0.85, lower.tail = TRUE)
[1] 0.04604658
> #Question 02
> #i)
> #X=number of calls in one hour
> #ii)
> #Poisson Distribution
> #iii)
> #Here, random variable X has poisson distribustion with lambda=12
> dpois(15.12)
[1] 0.07239112
> |
```