

Sri Lanka Institute of Information Technology



Lab Submission
Lab Sheet 07

IT 24103866

Obesekara S.O.K.D

Probability and Statistics| IT2120

B.Sc. (Hons) in Information Technology

Exercise:

```
1 setwd("C:\\Users\\User\\OneDrive\\Desktop\\IT 24103866")
2 getwd()
3
4 #1.
5 punif(25,min = 0,max = 40) - punif(10,min = 0,max = 40)
6
7 #2
8 pexp(2,rate = 1/3)
9
10 #3
11 #i.
12 1-pnorm(130,mean = 100,sd = 15)
13
14 #ii
15 qnorm(0.95,mean = 100,sd=15)|
```

```
> setwd("C:\\Users\\User\\OneDrive\\Desktop\\IT 24103866")
> getwd()
[1] "C:/Users/User/OneDrive/Desktop/IT 24103866"
> punif(25,min = 0,max = 40) - punif(10,min = 0,max = 40)
[1] 0.375
> pexp(2,rate = 1/3)
[1] 0.4865829
> 1-pnorm(130,mean = 100,sd = 15)
[1] 0.02275013
> qnorm(0.95,mean = 100,sd=15)
[1] 124.6728
```