

# Sri Lanka Institute of Information Technology



Lab Submission  
<Lab sheet No 07>

<IT24101739>

<Maddegoda M.V.S.>

**Probability and Statistics | IT2120**

B.Sc. (Hons) in Information Technology

**Exercise**

```
IT24101739_PS_Lab07.R* x
Source on Save
Run
Source

1 setwd("C:/Users/Maleesha/OneDrive/Desktop/IT24101739")
2
3 #1
4 punif(25, min=0, max=40, lower.tail=TRUE) - punif(10, min=0, max=40, lower.tail=TRUE)
5
6 #2
7 pexp(2, rate=1/3, lower.tail=TRUE)
8
9 #3
10 1 - pnorm(130, mean=100, sd=15)
11
12 qnorm(0.95, mean=100, sd=15)
13 |
14
```

```
> setwd("C:/Users/Maleesha/OneDrive/Desktop/IT24101739")
> #1
> punif(25, min=0, max=40, lower.tail=TRUE) - punif(10, min=0, max=40, lower.tail=TRUE)
[1] 0.375
> #2
> pexp(2, rate=1/3, lower.tail=TRUE)
[1] 0.4865829
> #3
> 1 - pnorm(130, mean=100, sd=15)
[1] 0.02275013
>
> qnorm(0.95, mean=100, sd=15)
[1] 124.6728
>
```