

Lab sheet 07

IT2120 -PS

IT24103821

W.A.M. Tharindi

Exercise

```
it24103821.R x
Source on Save
Run Source
1 setwd("C:\\Users\\Malee\\OneDrive\\Desktop\\IT24103821")
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 # (i)
11 pnorm(130, mean=100, sd=15, lower.tail=FALSE)
12
13 #(ii)
14 qnorm(0.95, mean=100, sd=15, lower.tail=TRUE)
15
15:1 (Top Level) R Script
```

```
R 4.5.1 C:/Users/Malee/OneDrive/Desktop/IT24103821/
> setwd("C:\\Users\\Malee\\OneDrive\\Desktop\\IT24103821")
> #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
> # (i)
> pnorm(130, mean=100, sd=15, lower.tail=FALSE)
[1] 0.02275013
> #(ii)
> qnorm(0.95, mean=100, sd=15, lower.tail=TRUE)
[1] 124.6728
>
```