## IT2120 - Probability and Statistics

## Lab Sheet 07

## IT24102139

```
File Edit Code View Plots Session Build Debug Profile Tools Help
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■ Untitled1* × ■ it24102139.R ×

 Run | 🕩 🔐 🖟 | 📑 Source 🗸 🗏
   1 setwd("C:\\Users\\ASUS\\OneDrive\\Desktop\\IT24102139")
      getwd()
      punif(25, min=0, max=40, lower.tail=TRUE) - punif(10, min=0, max=40, lower.tail=TRUE)
      pexp(2, rate=1/3, lower.tail=TRUE)
   8
   Q
   10 1 - pnorm(130, mean=100, sd=15, lower.tail=TRUE)
   11
      pnorm(130, mean=100, sd=15, lower.tail=FALSE)
   12
   13
  14
       qnorm(0.95, mean=100, sd=15, lower.tail=TRUE)
  15
                                                                                               R Script
  15:1 (Top Level) $
 Console Terminal ×
                  Background Jobs ×
 R 4.5.1 · C:/Users/ASUS/OneDrive/Desktop/IT24102139/
 [Workspace loaded from ~/.RData]
 > setwd("C:\\Users\\ASUS\\OneDrive\\Desktop\\IT24102139")
  getwd()
 [1] "C:/Users/ASUS/OneDrive/Desktop/IT24102139"
 > punif(25, min=0, max=40, lower.tail=TRUE) - punif(10, min=0, max=40, lower.tail=TRUE)
 [1] 0.375
 > pexp(2, rate=1/3, lower.tail=TRUE)
 [1] 0.4865829
 > 1 - pnorm(130, mean=100, sd=15, lower.tail=TRUE)
 [1] 0.02275013
 > pnorm(130, mean=100, sd=15, lower.tail=FALSE)
 [1] 0.02275013
> qnorm(0.95, mean=100, sd=15, lower.tail=TRUE)
```