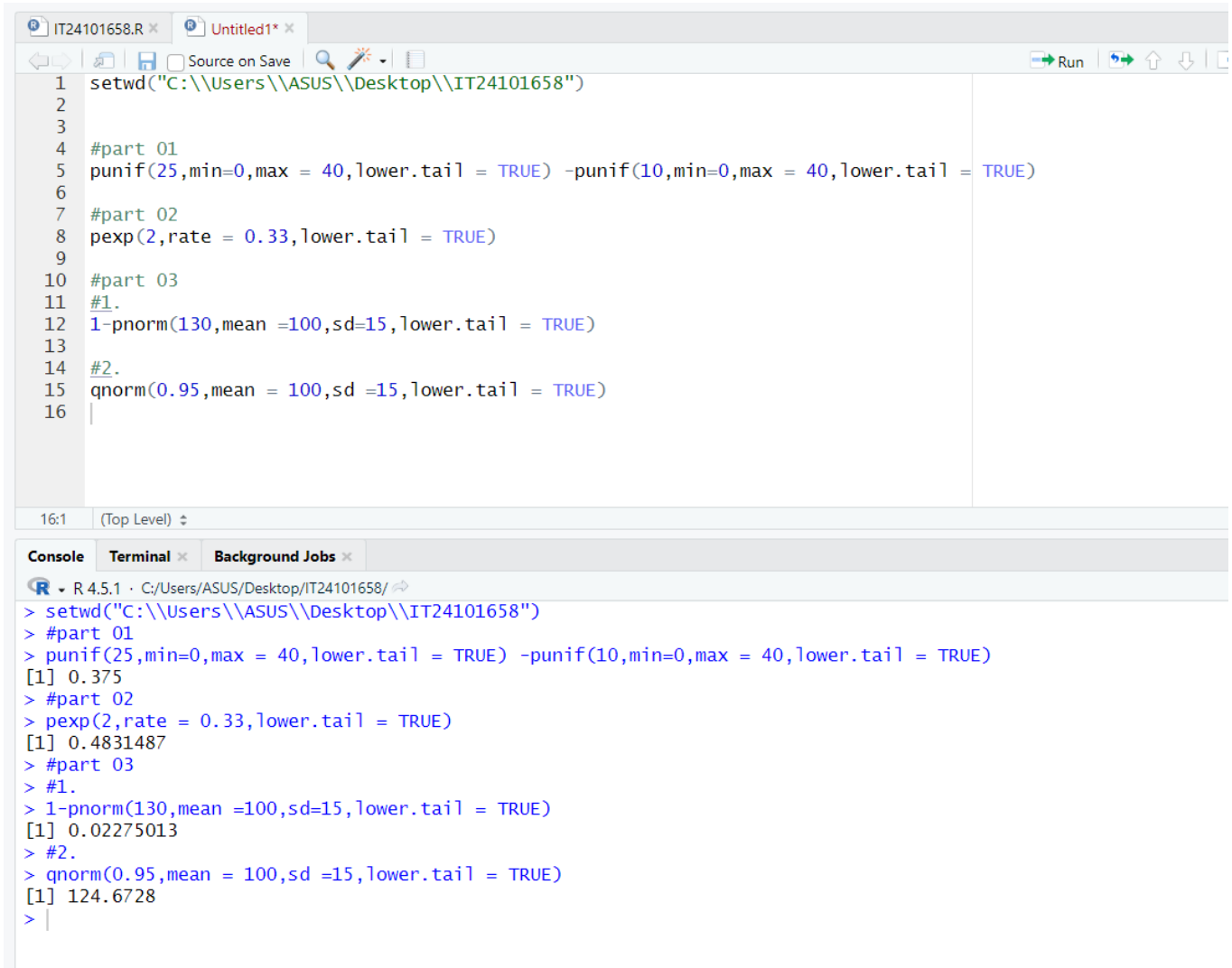


IT24101759

Wickramasinghe A.H



The screenshot displays the RStudio interface. The top pane shows a script file named 'IT24101658.R' with the following R code:

```
1 setwd("C:\\Users\\ASUS\\Desktop\\IT24101658")
2
3
4 #part 01
5 punif(25,min=0,max = 40,lower.tail = TRUE) -punif(10,min=0,max = 40,lower.tail = TRUE)
6
7 #part 02
8 pexp(2,rate = 0.33,lower.tail = TRUE)
9
10 #part 03
11 #1.
12 1-pnorm(130,mean =100,sd=15,lower.tail = TRUE)
13
14 #2.
15 qnorm(0.95,mean = 100,sd =15,lower.tail = TRUE)
16
```

The bottom pane shows the console output for the executed code:

```
> setwd("C:\\Users\\ASUS\\Desktop\\IT24101658")
> #part 01
> punif(25,min=0,max = 40,lower.tail = TRUE) -punif(10,min=0,max = 40,lower.tail = TRUE)
[1] 0.375
> #part 02
> pexp(2,rate = 0.33,lower.tail = TRUE)
[1] 0.4831487
> #part 03
> #1.
> 1-pnorm(130,mean =100,sd=15,lower.tail = TRUE)
[1] 0.02275013
> #2.
> qnorm(0.95,mean = 100,sd =15,lower.tail = TRUE)
[1] 124.6728
>
```