

IT2120 - Probability and Statistics

IT24103582

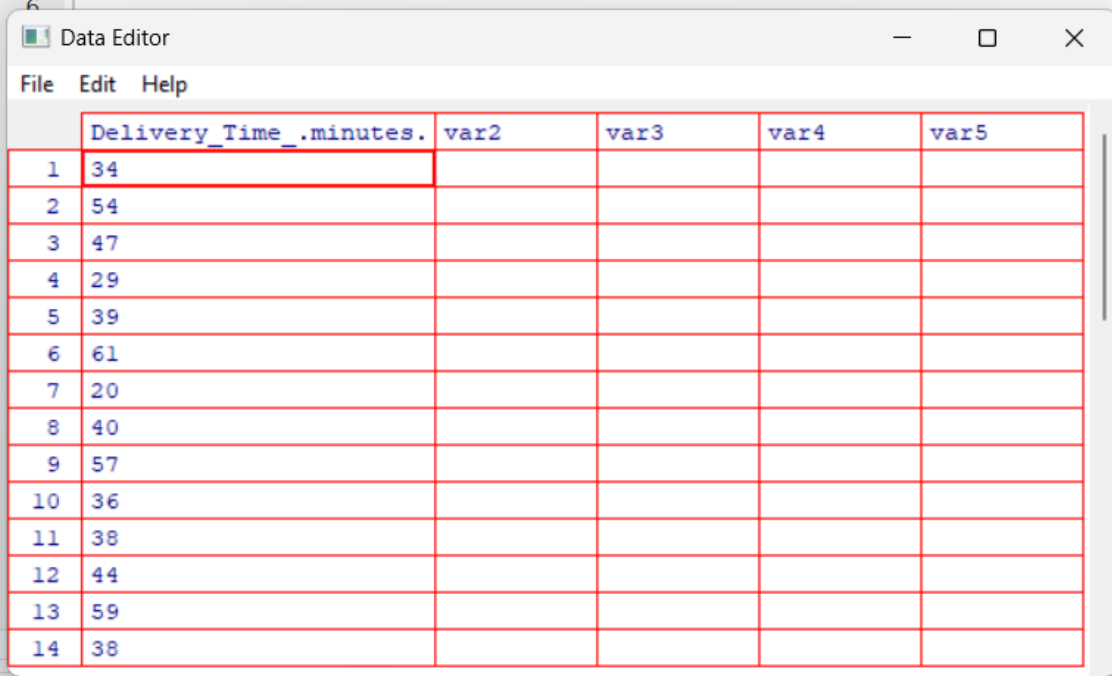
Tharindu K T D S

Lab 05

Exercise

1)

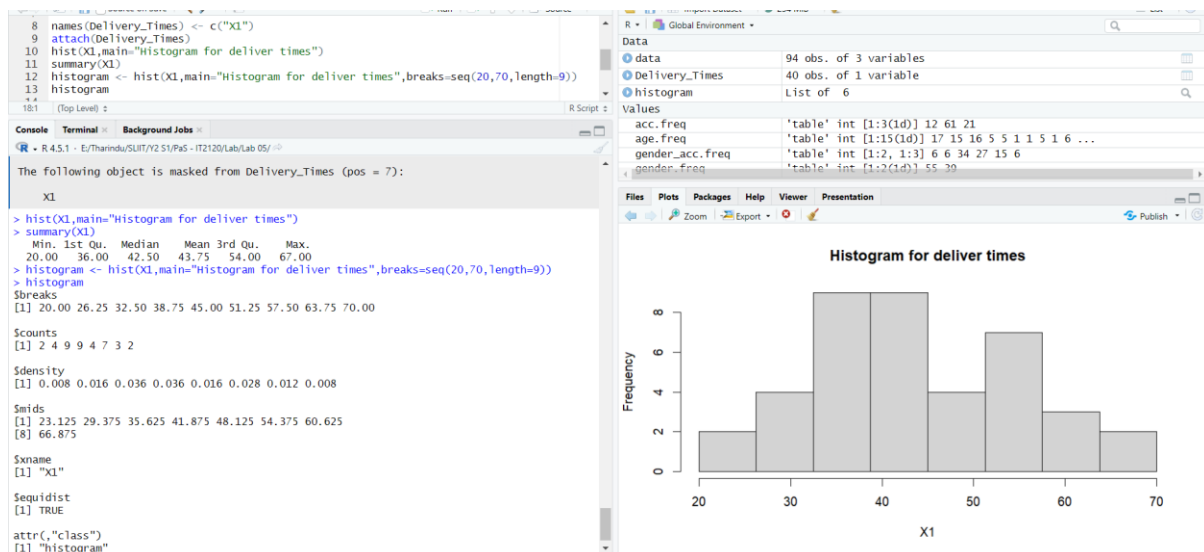
```
1 setwd("E:\\Tharindu\\SLIIT\\Y2 S1\\PaS - IT2120\\Lab\\Lab 05")
2 Delivery_Times = read.table("Exercise - Lab 05.txt",header=TRUE,sep=",")
3 Delivery_Times
4 fix(Delivery_Times)
5 attach(Delivery_Times)
6
```



	Delivery_Time_.minutes.	var2	var3	var4	var5
1	34				
2	54				
3	47				
4	29				
5	39				
6	61				
7	20				
8	40				
9	57				
10	36				
11	38				
12	44				
13	59				
14	38				

```
Console Terminal Background Jobs
R 4.5.1 E:/Tharindu/SLIIT/Y2 S1/PaS - IT2120/Lab/Lab 05/
> setwd("E:\\Tharindu\\SLIIT\\Y2 S1\\PaS - IT2120\\Lab\\Lab 05")
> Delivery_Times = read.table("Exercise - Lab 05.txt",header=TRUE,sep=",")
> Delivery_Times
  Delivery_Time_.minutes.
1                      34
2                      54
3                      47
4                      29
5                      39
6                      61
7                      20
```

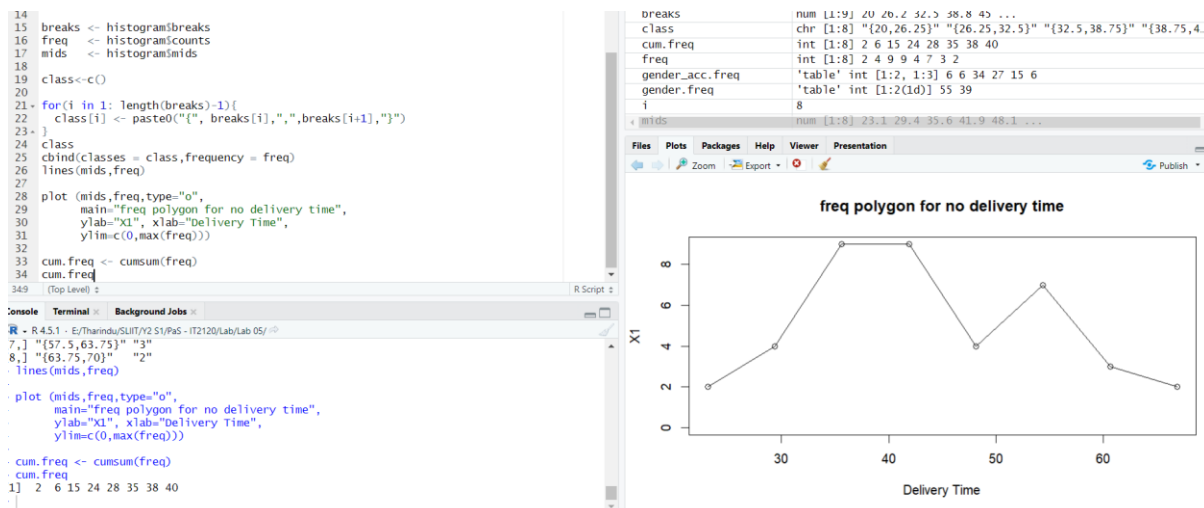
2)



3)

Bi-Model Shaped

4)



```

35 new <- c()
36
37 for(i in 1 : length(breaks)) {
38   if(i==1){
39     new[i] = 0
40   }
41   else{
42     new[i] = cum.freq[i-1]
43   }
44 }
45
46 new
47
48 plot(breaks,new,type="o",
49      main="freq polygon for Delivery Time",
50      ylab="Cumulative Frequency", xlab="Delivery Time",
51      ylim=c(0,max(cum.freq)))
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```

Console

```

> new <- c()
>
> for(i in 1 : length(breaks)) {
+   if(i==1){
+     new[i] = 0
+   }
+   else{
+     new[i] = cum.freq[i-1]
+   }
+ }
> new
[1] 0 2 6 15 24 28 35 38 40
> plot(breaks,new,type="o",
+      main="freq polygon for Delivery Time",
+      ylab="Cumulative Frequency", xlab="Delivery Time",
+      ylim=c(0,max(cum.freq)))

```

There were 12 warnings (use `warnings()` to see them)

age.freq	'table' int [1:15(1d)] 17 15 16 5 5 1 1 5 1 6 ...
breaks	num [1:9] 20 26.2 32.5 38.8 45 ...
class	chr [1:8] "{20,26.25}" "{26.25,32.5}" "{32.5,38.75}" "{38.75,45}" ...
cum.freq	int [1:8] 2 6 15 24 28 35 38 40
freq	int [1:8] 2 4 9 9 4 7 3 2
gender_acc.freq	'table' int [1:2, 1:3] 6 6 34 27 15 6
gender.freq	'table' int [1:2(1d)] 55 39
i	9L
mids	num [1:8] 23.1 29.4 35.6 41.9 48.1 ...
new	num [1:9] 0 2 6 15 24 28 35 38 40

