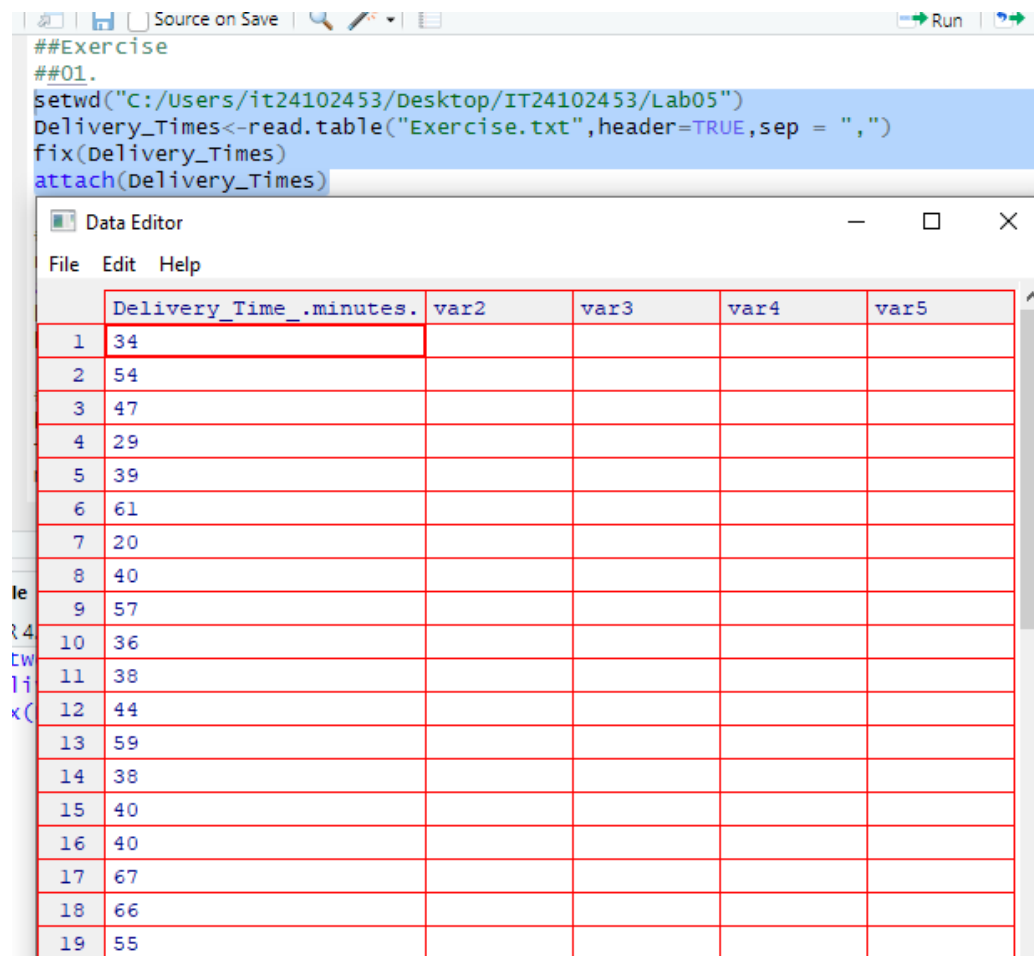


Probability and Statistics - IT2120

Lab 05

IT24102453

01.



The screenshot shows the R Studio interface. The top pane contains R code for reading a table and attaching it. The bottom pane shows the 'Data Editor' window with a table of delivery times.

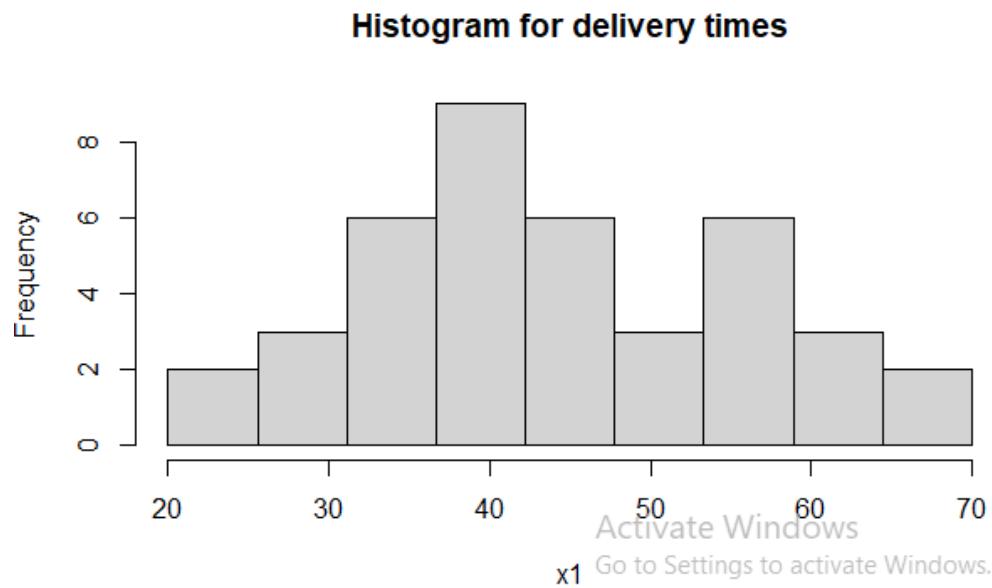
```
##Exercise
##01.
setwd("C:/Users/it24102453/Desktop/IT24102453/Lab05")
Delivery_Times<-read.table("Exercise.txt",header=TRUE,sep = ",")
fix(Delivery_Times)
attach(Delivery_Times)
```

	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				
15	40				
16	40				
17	67				
18	66				
19	55				

02.

```
> names(Delivery_Times)<-c("x1")
> attach(Delivery_Times)
The following object is masked from data:
    x1

> hist(x1,main="histogram for deliver times")
> histogram<-hist(x1,main="Histogram for delivery times",breaks=seq(20,70,length=10),right=FALSE)
> |
```



04.

```
14 ##04
15 breaks<-round(histogram$breaks)
16 freq<-histogram$counts
17 mids<-histogram$mids
18
19 cum.freq<-cumsum(freq)
20 new<-c()
21 for(i in 1:length(breaks)){
22   if(i==1){
23     new[i]=0
24   }else{
25     new[i]=cum.freq[i-1]
26   }
27 }
28
```

28:1 (Top Level) R Script

Console Terminal Background Jobs

```
> ##04
> breaks<-round(histogram$breaks)
> freq<-histogram$counts
> mids<-histogram$mids
>
> cum.freq<-cumsum(freq)
> new<-c()
> for(i in 1:length(breaks)){
+   if(i==1){
+     new[i]=0
+   }else{
+     new[i]=cum.freq[i-1]
+   }
+ }
```