

Lab 05

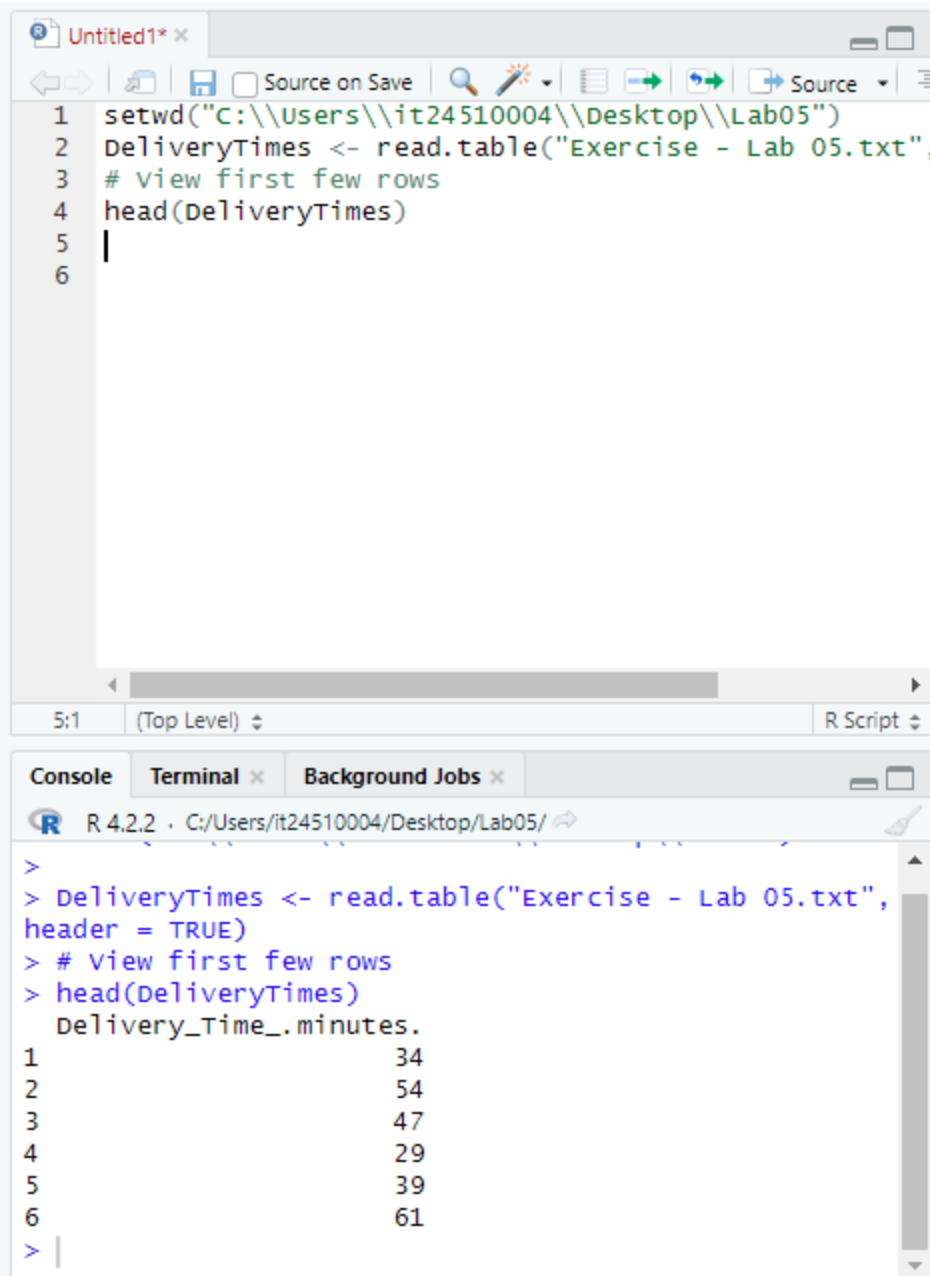
IT24510004 - Suhansa D.C

```
1 setwd("C:\\Users\\it24510004\\Desktop\\Lab05")
2 |
```

```
R 4.2.2 · C:/Users/it24510004/Desktop/Lab05/
> setwd("C:\\Users\\it24510004\\Desktop\\Lab05")
> |
```

```
1 setwd("C:\\Users\\it24510004\\Desktop\\Lab05")
2 DeliveryTimes <- read.table("Exercise - Lab 05.txt",
3 |
4 |
```

```
R 4.2.2 · C:/Users/it24510004/Desktop/Lab05/
> setwd("C:\\Users\\it24510004\\Desktop\\Lab05")
>
> DeliveryTimes <- read.table("Exercise - Lab 05.txt", header = TRUE)
> |
```



The image shows a screenshot of the RStudio interface. The top pane displays an R script file named 'Untitled1*' with the following code:

```
1 setwd("C:\\Users\\it24510004\\Desktop\\Lab05")
2 DeliveryTimes <- read.table("Exercise - Lab 05.txt",
3 # View first few rows
4 head(DeliveryTimes)
5
6
```

The bottom pane shows the R console output for the executed code. The prompt is '>'. The output shows the directory change and the first six rows of the 'DeliveryTimes' table.

```
>
> DeliveryTimes <- read.table("Exercise - Lab 05.txt",
header = TRUE)
> # View first few rows
> head(DeliveryTimes)
  Delivery_Time_.minutes.
1                      34
2                      54
3                      47
4                      29
5                      39
6                      61
>
```

The console window title is 'R 4.2.2 · C:/Users/it24510004/Desktop/Lab05/'. The status bar at the bottom indicates '5:1 (Top Level)' and 'R Script'.

Untitled1* x

```
1 setwd("C:\\Users\\it24510004\\Desktop\\Lab05")
2 DeliveryTimes <- read.table("Exercise - Lab 05.txt",
3 # view first few rows
4 head(DeliveryTimes)
5
6 # Extract the column
7 times <- DeliveryTimes$Delivery_Time_.minutes.
8 |
```

Environment History Connections Tutorial

R Global Environment 140 MiB

Data

DeliveryTi... 40 obs. of 1 variable

Values

times	int [1:40]	34 54 47 29 39 61 ...
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Files Plots Packages Help Viewer Presentation

Home

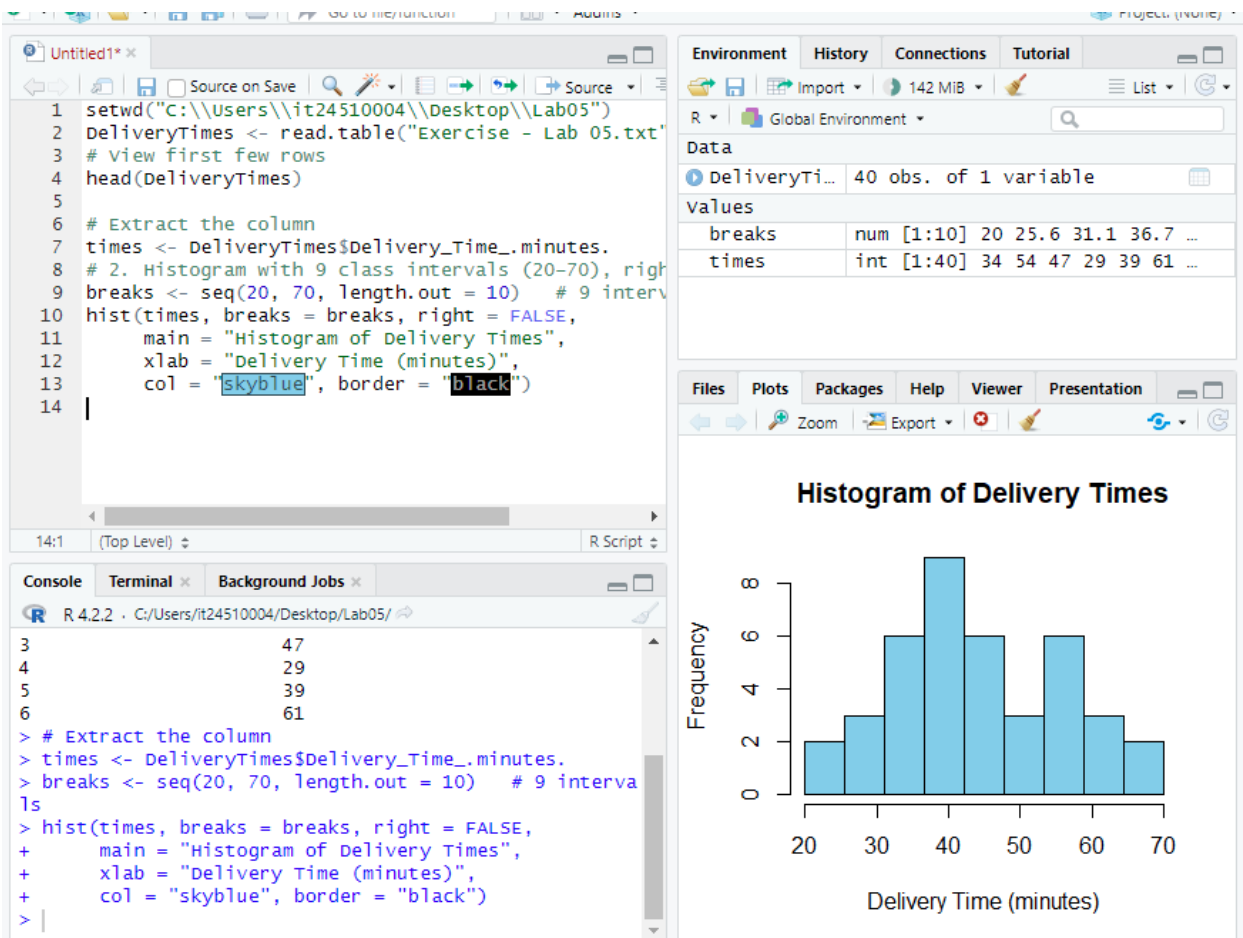
	Name	Size	Modified
<input type="checkbox"/>	desktop.ini	402 B	Aug 28, 2017
<input type="checkbox"/>	My Music		
<input type="checkbox"/>	My Pictures		
<input type="checkbox"/>	My Videos		

Console Terminal Background Jobs

R 4.2.2 C:/Users/it24510004/Desktop/Lab05/

```
header = TRUE)
> # view first few rows
> head(DeliveryTimes)
  Delivery_Time_.minutes.
1                34
2                54
3                47
4                29
5                39
6                61
> # Extract the column
> times <- DeliveryTimes$Delivery_Time_.minutes.
> |
```

30°C Partly sunny 2:59 PM



```

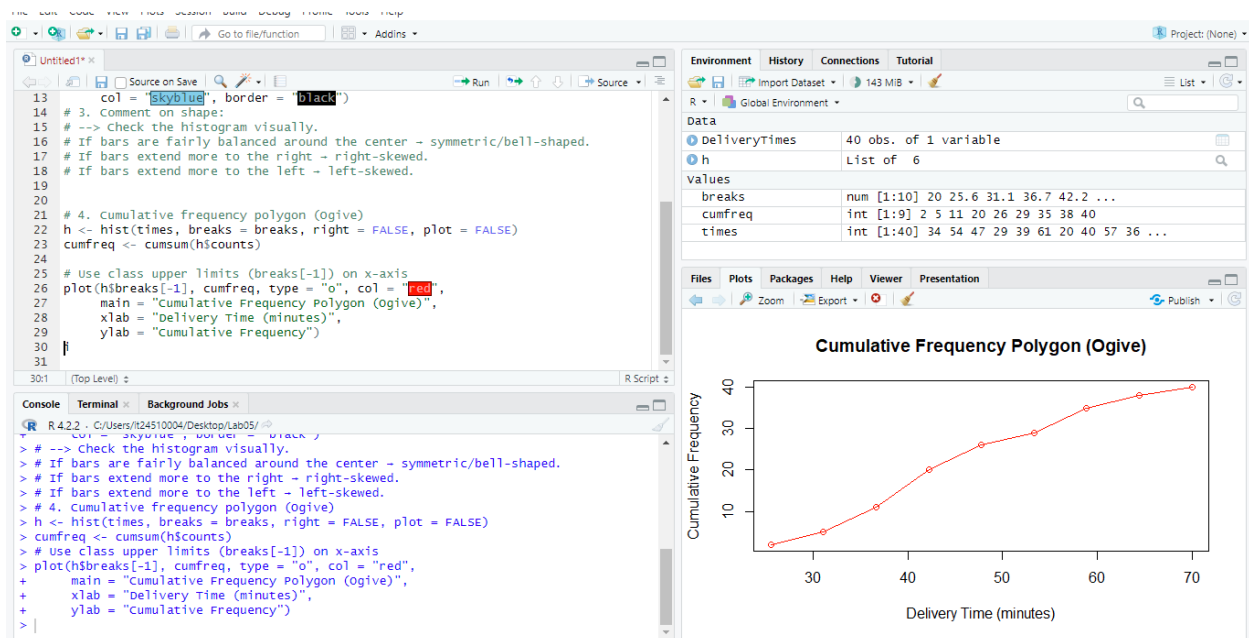
10 hist(times, breaks = breaks, right = FALSE,
11       main = "Histogram of Delivery Times",
12       xlab = "Delivery Time (minutes)",
13       col = "skyblue", border = "black")
14 # 3. Comment on shape:
15 # --> Check the histogram visually.
16 # If bars are fairly balanced around the center -> symmetric/bell-shaped.
17 # If bars extend more to the right -> right-skewed.
18 # If bars extend more to the left -> left-skewed.

```

```

+       xlab = "Delivery Time (minutes)",
+       col = "skyblue", border = "black")
> # --> Check the histogram visually.
> # If bars are fairly balanced around the center -> symmetric/bell-shaped.
> # If bars extend more to the right -> right-skewed.
> # If bars extend more to the left -> left-skewed.
>

```



R	Global Environment	
Data		
DeliveryTimes	40 obs. of 1 variable	
h	List of 6	
values		
breaks	num [1:10] 20 25.6 31.1 36.7 42.2 ...	
cumfreq	int [1:9] 2 5 11 20 26 29 35 38 40	
times	int [1:40] 34 54 47 29 39 61 20 40 57 36 ...	

