PS _Lab_05

IT24100658

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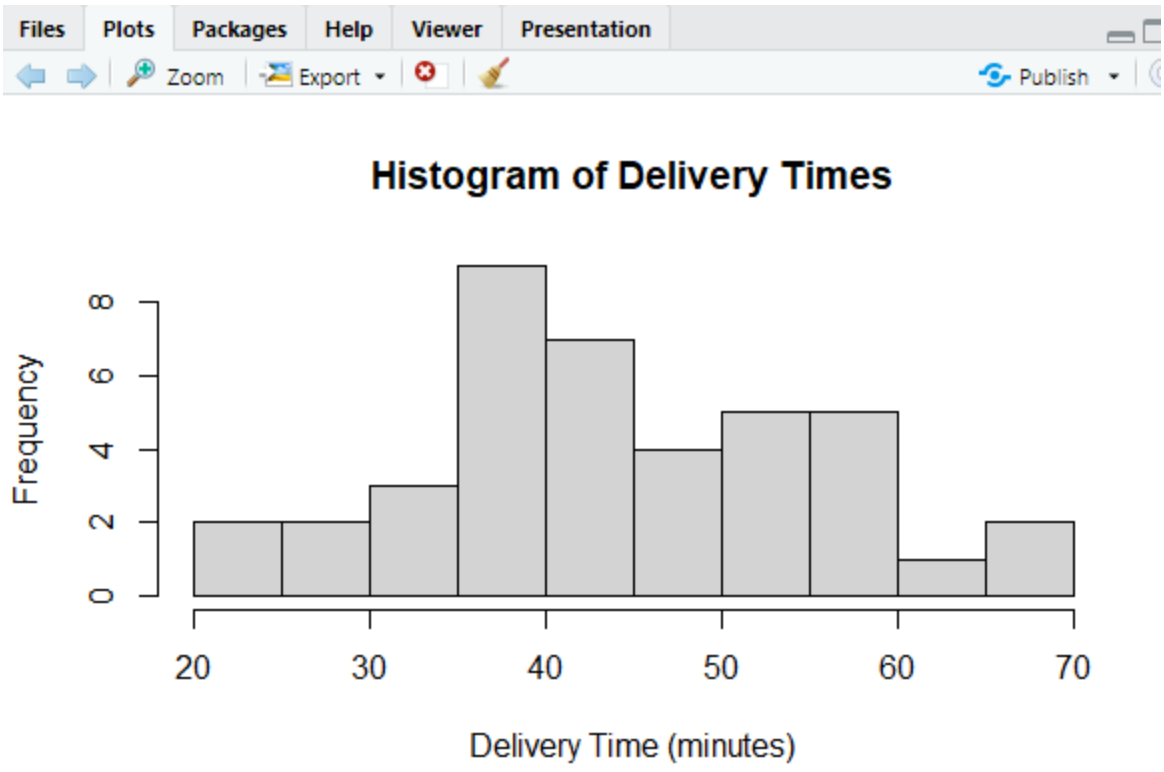
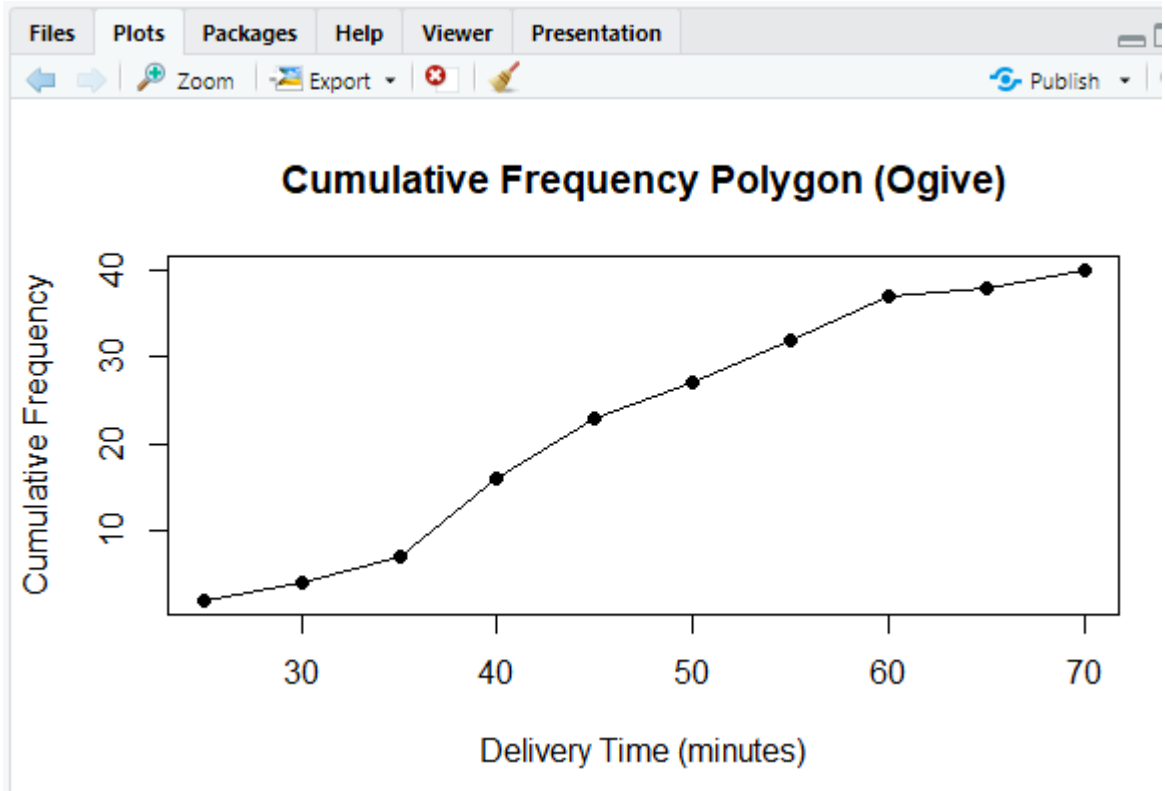
```
> setwd("C:/Users/hansana619/Desktop/IT24100658")
> DeliveryTimes <- read.table("Exercise - Lab 05 .txt", header = TRUE)
> head(DeliveryTimes)
  Delivery_Time_.minutes.
1                      34
2                      54
3                      47
4                      29
5                      39
6                      61
> breaks <- seq(20, 70, length.out = 10)
> hist(DeliveryTimes$Delivery_Time,
+      right = FALSE,
+      main = "Histogram of Delivery Times",
+      xlab = "Delivery Time (minutes)",
+      ylab = "Frequency")
> hist_data <- hist(DeliveryTimes$Delivery_Time,
+                   right = FALSE,
+                   plot = FALSE)
> cum_freq <- cumsum(hist_data$counts)
> plot(hist_data$breaks[-1], cum_freq,
+      type = "o", , pch = 16,
+      main = "Cumulative Frequency Polygon (Ogive)",
+      xlab = "Delivery Time (minutes)",
+      ylab = "Cumulative Frequency")
>
```

#3

it'll observe it is slightly right-skewed: more values in the middle, tail toward higher times.


Files
Plots
Packages
Help
Viewer
Presentation
Zoom
Export
Publish
Histogram of Delivery Times
Frequency
0
2
4
6
8
20
30
40
50
60
70
Delivery Time (minutes)


Files
Plots
Packages
Help
Viewer
Presentation
Zoom
Export
Publish
Cumulative Frequency Polygon (Ogive)
Cumulative Frequency
10
20
30
40
30
40
50
60
70
Delivery Time (minutes)