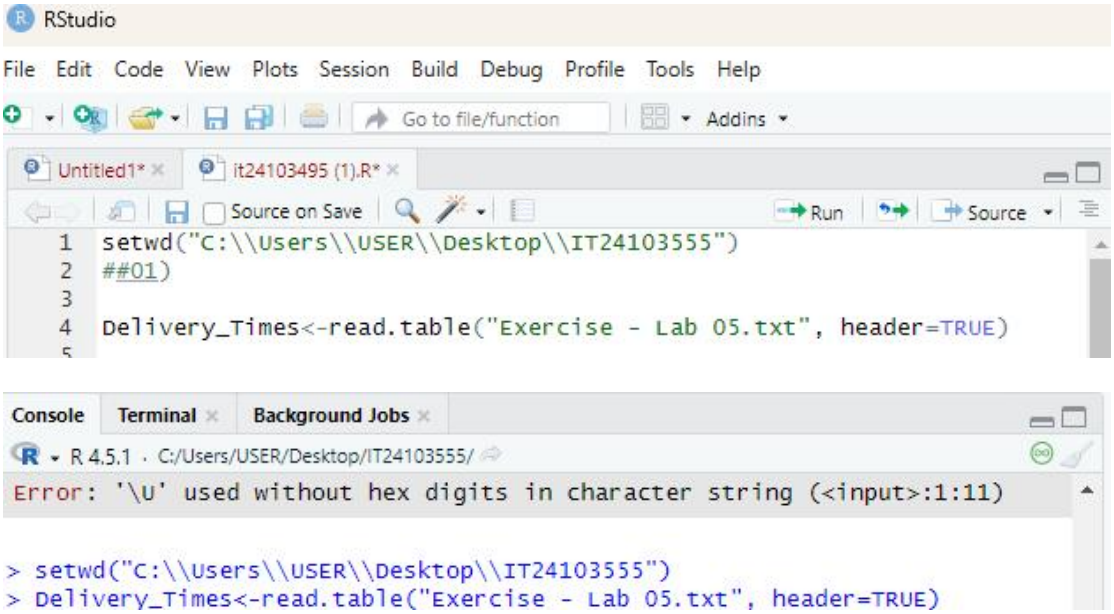
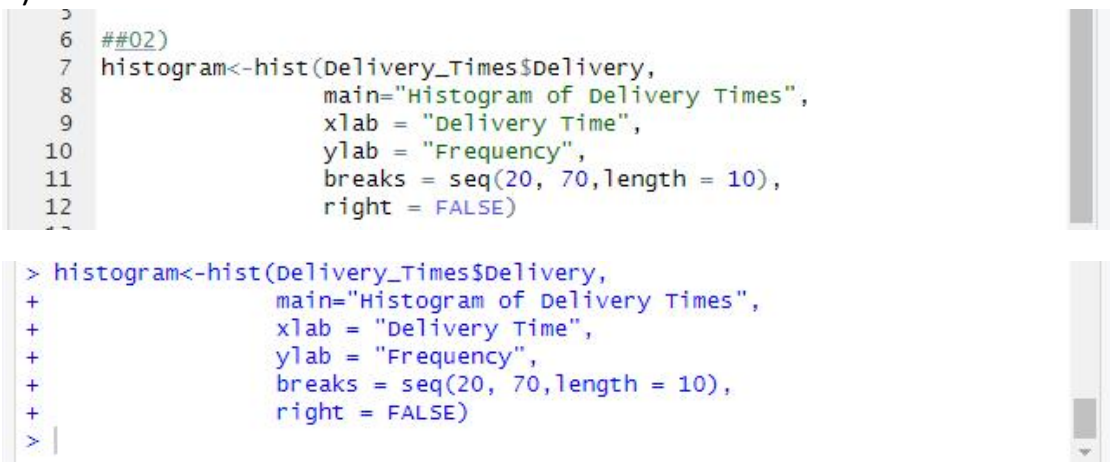
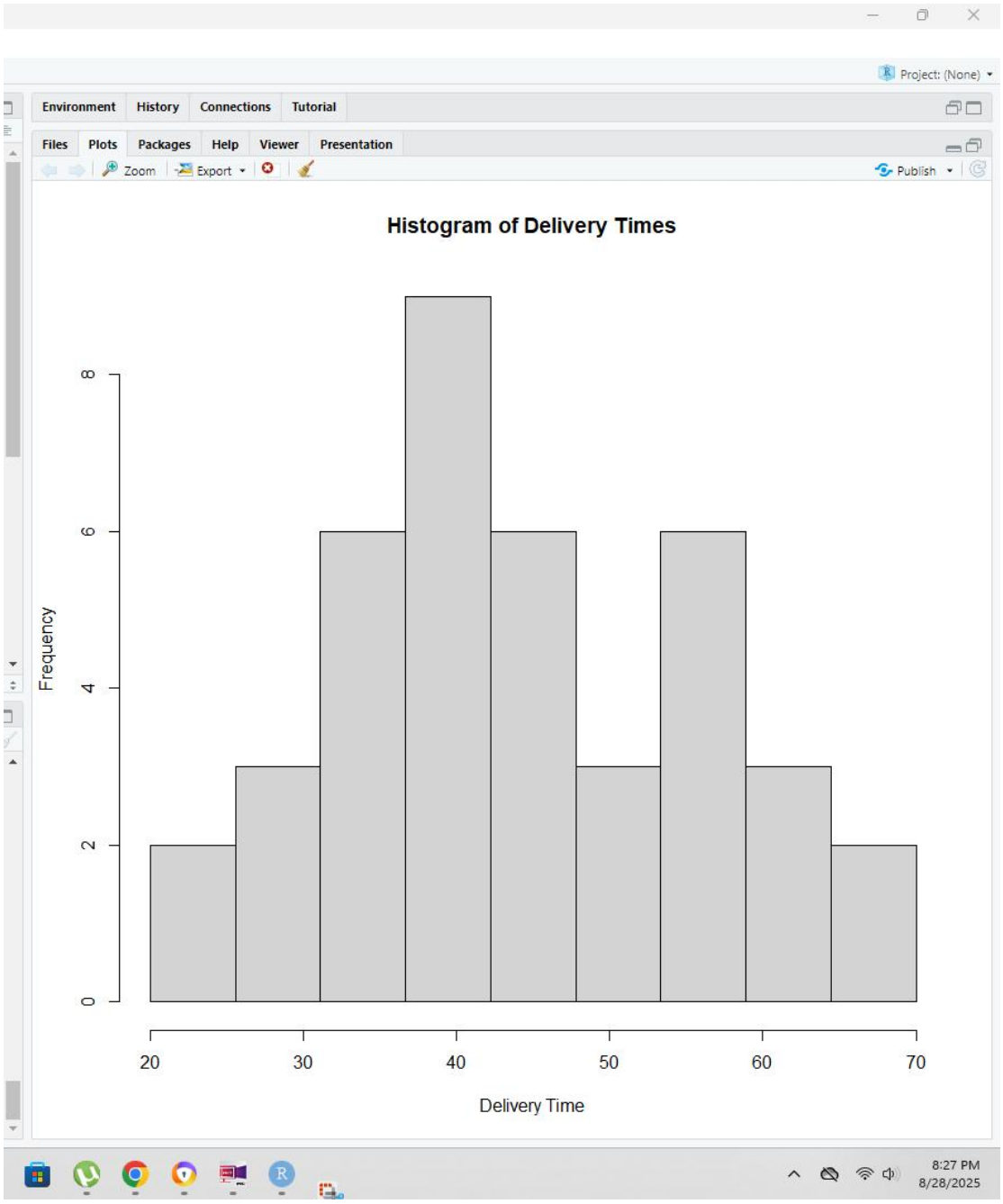
IT2120 - Probability and Statistics
IT24103555
Senan R.A.D.T

1)



2)





03)

```
13
14 ##03)
15 ##The distribution is roughly symmetric with a peak around 40 minutes, but the right side is a little higher than the left.
16
```

04)

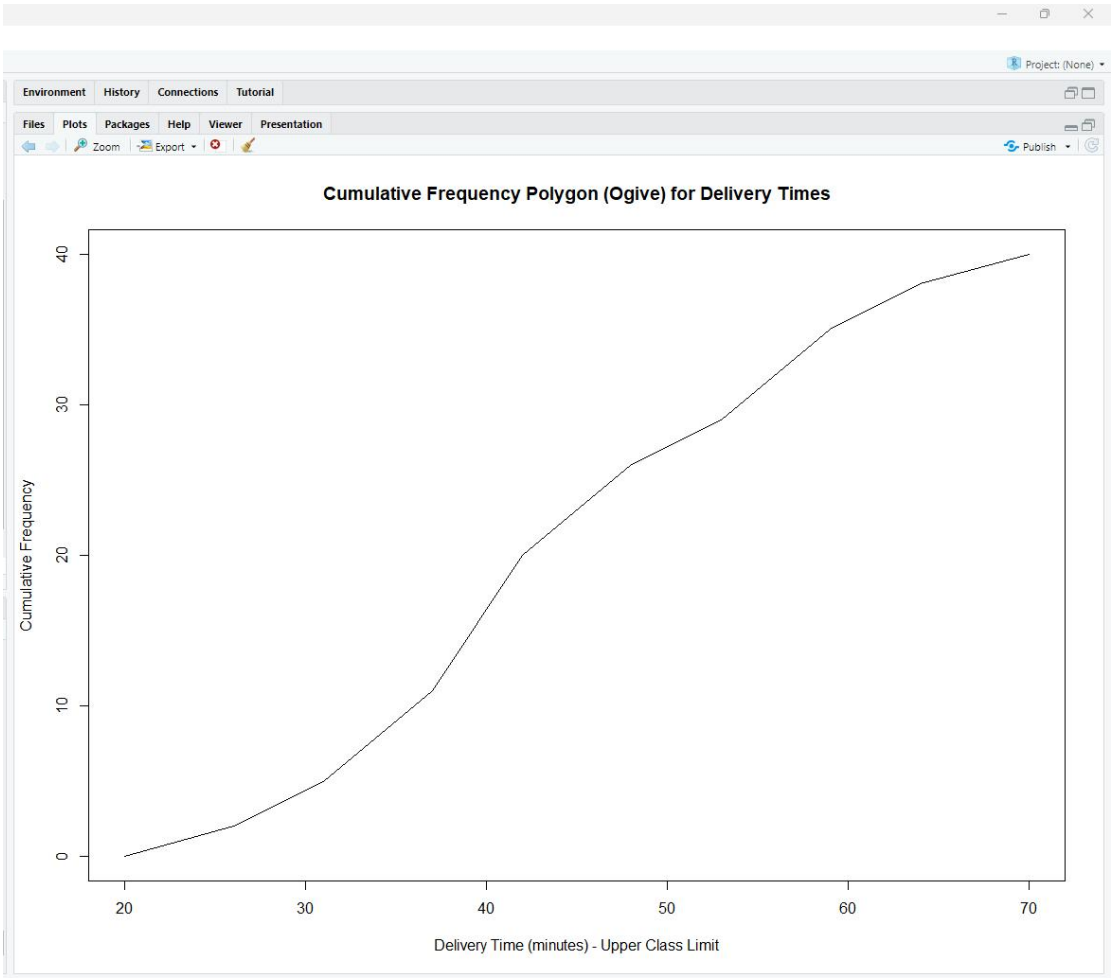
```
##04)
breaks <- round(histogram$breaks)
freq <- histogram$counts

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]
  }
}

plot(breaks, new, type = "l", main = "Cumulative Frequency Polygon (Ogive) for Delivery Times", xlab = "Delivery Time (minutes) - Upper Class Limit", ylab = "Cumulative Frequency", ylim = c(0, max(new)))
```


Project: (None)
Environment
History
Connections
Tutorial
Files
Plots
Packages
Help
Viewer
Presentation
Zoom
Export
Publish
Cumulative Frequency Polygon (Ogive) for Delivery Times
Cumulative Frequency
0
10
20
30
40
20
30
40
50
60
70
Delivery Time (minutes) - Upper Class Limit