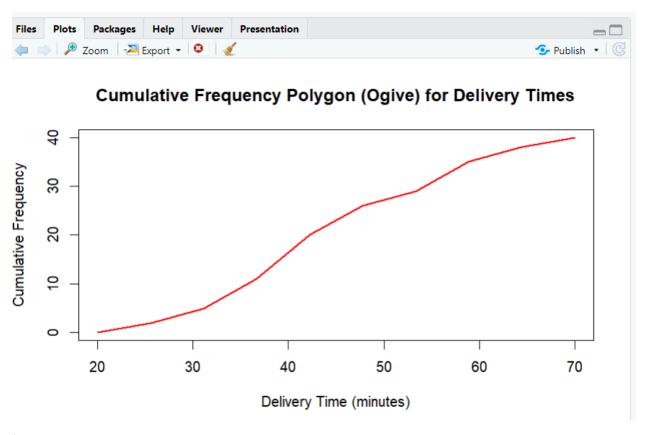
```
IT24100486.R ×

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                                                                 Run Source •
   1 setwd("C:\\Users\\IT24100486\\Desktop\\IT24100486")
    2 Delivery_Times<-read.table("Exercise - Lab 05.txt",header = TRUE,sep=",")</pre>
    3 fix(Delivery_Times)
    4 attach(Delivery_Times)
> setwd("C:\\Users\\IT24100486\\Desktop\\IT24100486")
> Delivery_Times<-read.table("Exercise - Lab 05.txt",header = TRUE,sep=",")
> fix(Delivery_Times)
> attach(Delivery_Times)
   hist(Delivery_Times$Delivery_Time_.minutes.,
         main = "Histogram of Delivery Time(minutes)",
7
         xlab = "Delivery Time(minutes)",
8
9
         ylab = "Frequency",
LO
         breaks = seq(20,70,length = 10),
         right = FALSE,
L1
         col = "lightblue")
L2
L3
                                   Presentation
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            Packages
                     Help
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                                                                    Histogram of Delivery Time(minutes)
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Frequency
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      0
                                            Activate Windows
                        30
            20
                                    40
                                                                         70
                                 Delivery Time (minutes) ngs to activate Windows.
```

3. The distribution appears to be approximately symmetric with a slight right skew. The usual delivery times were between 35 and 50 minutes, with few very short or very long delivery times. This histogram looks like a bell-shape, and the ogive shows the usual S-shape of a cumulative frequency plot, indicating the delivery time data show a rough normal distribution.



```
> delivery_hist<-hist(Delivery_Time_.minutes.,
                       breaks = seq(20,70, length.out = 10),
+
+
                       right = FALSE,
                       plot = FALSE)
> breaks <- delivery_hist$breaks
> freq <- delivery_hist$counts
> # cumulative frequency
> cum_freq <- cumsum(freq)</pre>
> # keep same length as breaks (11 values)
> cum_freq_with_zero <- c(0, cum_freq)</pre>
> # plot ogive
> plot(breaks, cum_freq_with_zero,
> plot(breaks, cum_freq_with_zero,
       type = '1',
       main = "Cumulative Frequency Polygon (Ogive) for Delivery Times",
       xlab = "Delivery Time (minutes)",
       ylab = "Cumulative Frequency",
       ylim = c(0, max(cum\_freq)),
       col = "red",
       1wd = 2
```