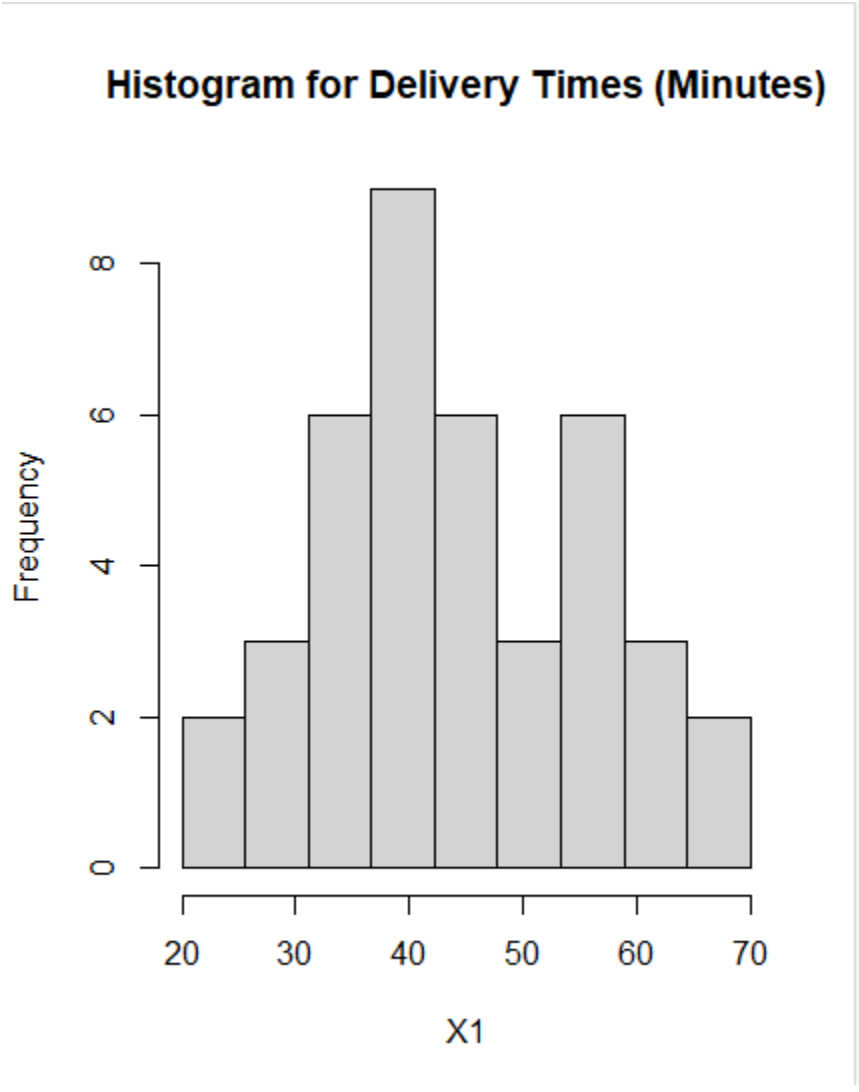
```r
setwd("C:\\Users\\it24104154\\Desktop\\LAB_05")

DeliveryTimes <- read.table("Exercise - Lab 05.txt", h

fix(DeliveryTimes)

names(DeliveryTimes)<-c("X1")

attach(DeliveryTimes)
```

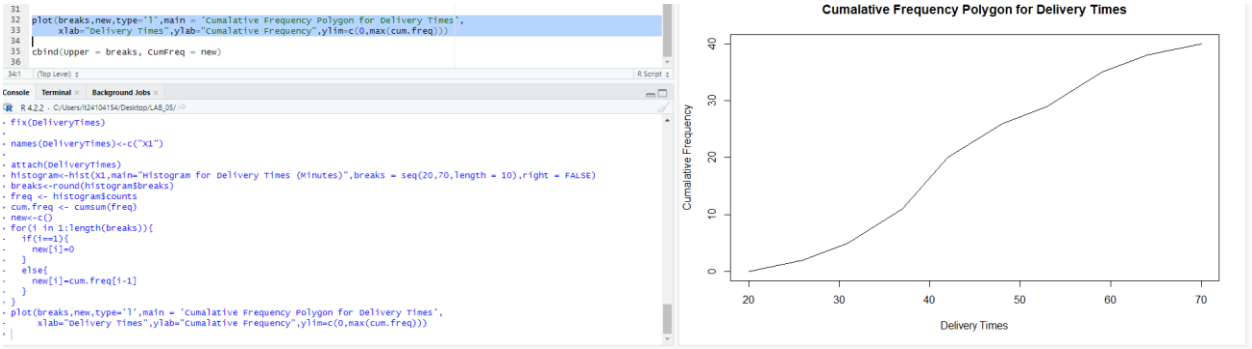
Data Editor

File Edit Help

	Delivery_Time_.minutes.	var2	var3
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		

```r
histogram<-hist(X1,main="Histogram for Delivery Times (Minutes)",breaks = seq(20,70,length = 10),right = FALSE)

# The histogram shows that delivery times are approximately symmetric.
# Most delivery times fall between 35 and 45 minutes.
# The shape is bell-shaped, resembling a normal distribution.
# There are fewer observations at both the lower and upper ends.

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]
  }
}

```






```
35  cbind(Upper = breaks, CumFreq = new)
36
```

35:37 (Top Level)

Console Terminal Background Jobs

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```
+      new[i]=0
+    }
+    else{
+      new[i]=cum.freq[i-1]
+    }
+ }
> plot(breaks,new,type='l',main = 'Cumalative Frequency Polygon for Delivery Times',
+       xlab="Delivery Times",ylab="Cumalative Frequency",ylim=c(0,max(cum.freq)))
> cbind(Upper = breaks, CumFreq = new)
      Upper CumFreq
 [1,]    20       0
 [2,]    26       2
 [3,]    31       5
 [4,]    37      11
 [5,]    42      20
 [6,]    48      26
 [7,]    53      29
 [8,]    59      35
 [9,]    64      38
[10,]    70      40
>
```