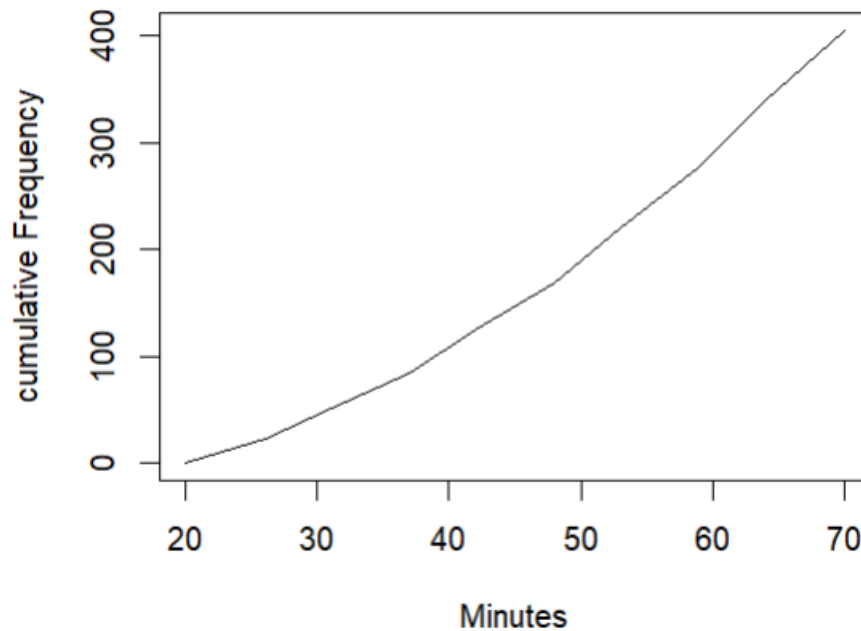


```
1 #01
2 setwd("C:\\Users\\USER\\Desktop\\Lab 05")
3 Delivery_Times<-read.table("Exercise - Lab 05.txt",header = TRUE,sep=",")
4 attach(Delivery_Times)
5 fix(Delivery_Times)
6 names(Delivery_Times)<-c("DeliveryTimes")
7
8 #02
9 attach(Delivery_Times)
10 histogram<-hist(DeliveryTimes,main="Histogram for deliver times",breaks=seq(20,70,length=10),right=FALSE)
11
12 #03
13 #The histogram shows a slightly right-skewed distribution, with a higher frequency of delivery times in the range of 30-50 minutes.
14 #There are fewer observations above 60 minutes.
15 s]
16 #04
17 breaks<-round(histogram$breaks)
18
19 ##Assign class frequencies of the histogram
20 freq<-histogram$mids
21
22 ##cumulative frequencies
23 cum.freq<-cumsum(freq)
24
25 ##creating a null variable
26 new<-c()
27
28 ##store cumulative frequencies in order to get the ogive
29 for (i in 1:length(breaks)){
30   if (i==1){
31     new[i]=0
32   }else{
33     new[i]=cum.freq[i-1]}
34 }
35
36 #Draw cumulative frequency polygon
37 plot(breaks,new,type='l',main="cumulative Frequency polygon for Delivery times",xlab="Minutes",ylab="cumulative Frequency",ylim=c(0,max(cum.freq)))
38
```



### cumulative Frequency polygon for Delivery times



```
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> fix(Delivery_Times)
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>
> #02
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>
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>
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> plot(breaks,new,type='l',main="cumulative Frequency polygon for Delivery times",xlab="Minutes",ylab="cumulative Frequency",ylim=c(0,max(cum.freq)))
> |
```