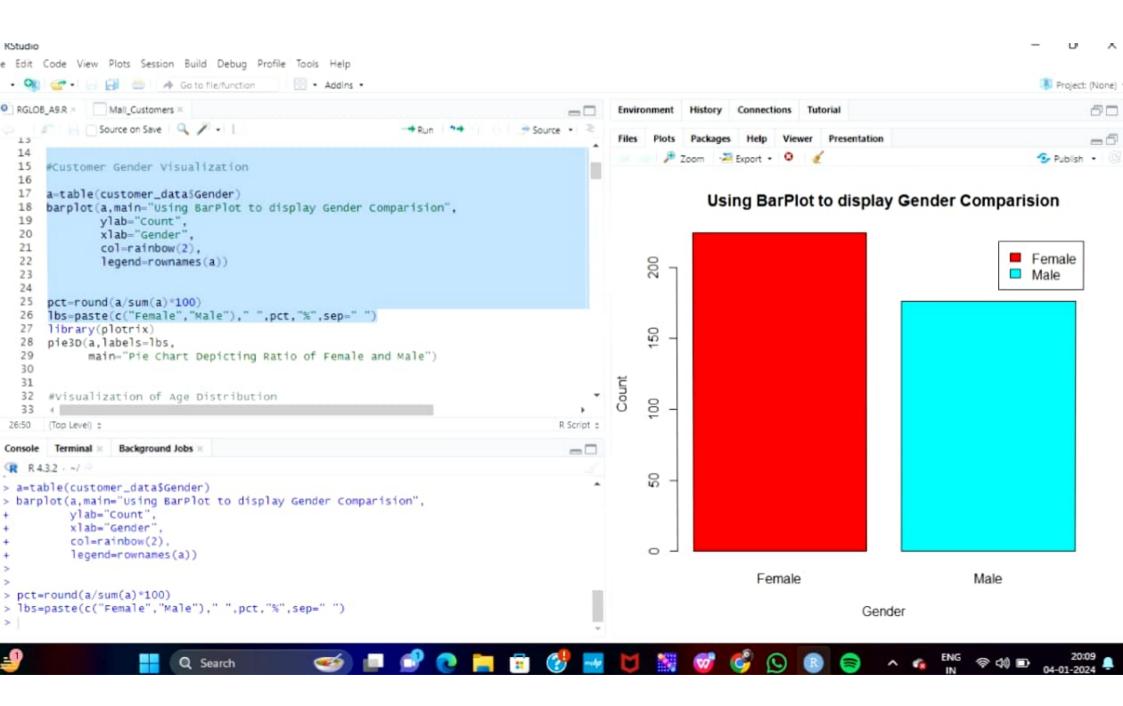
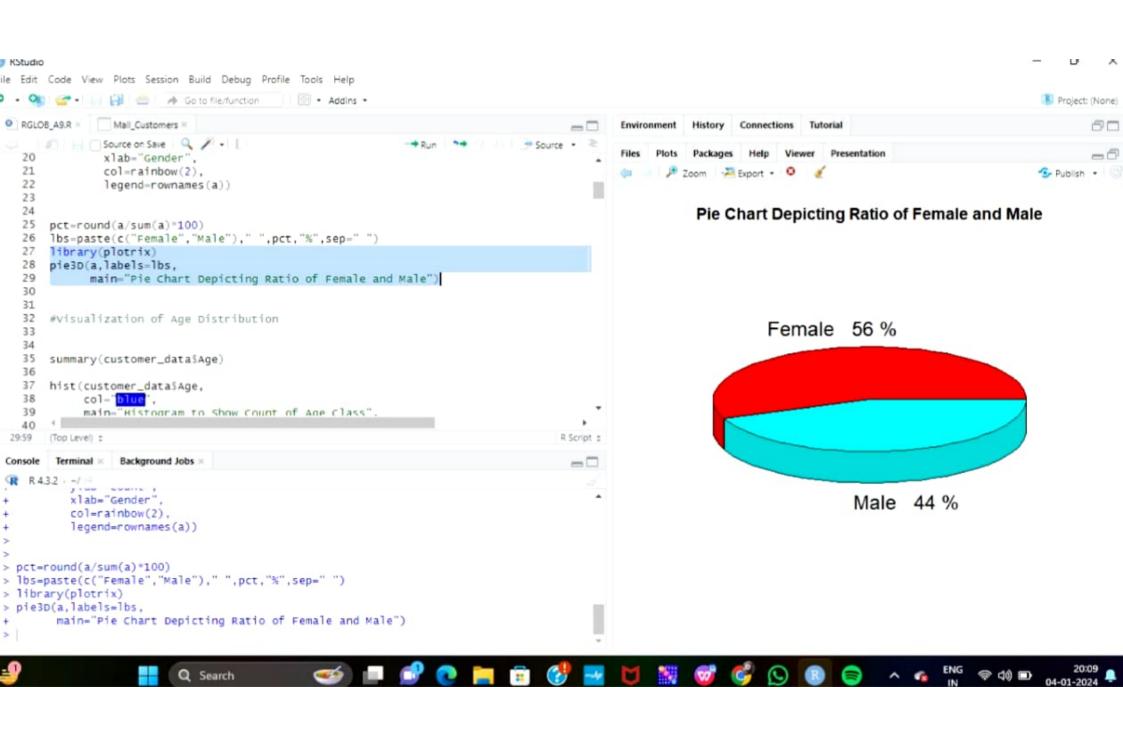
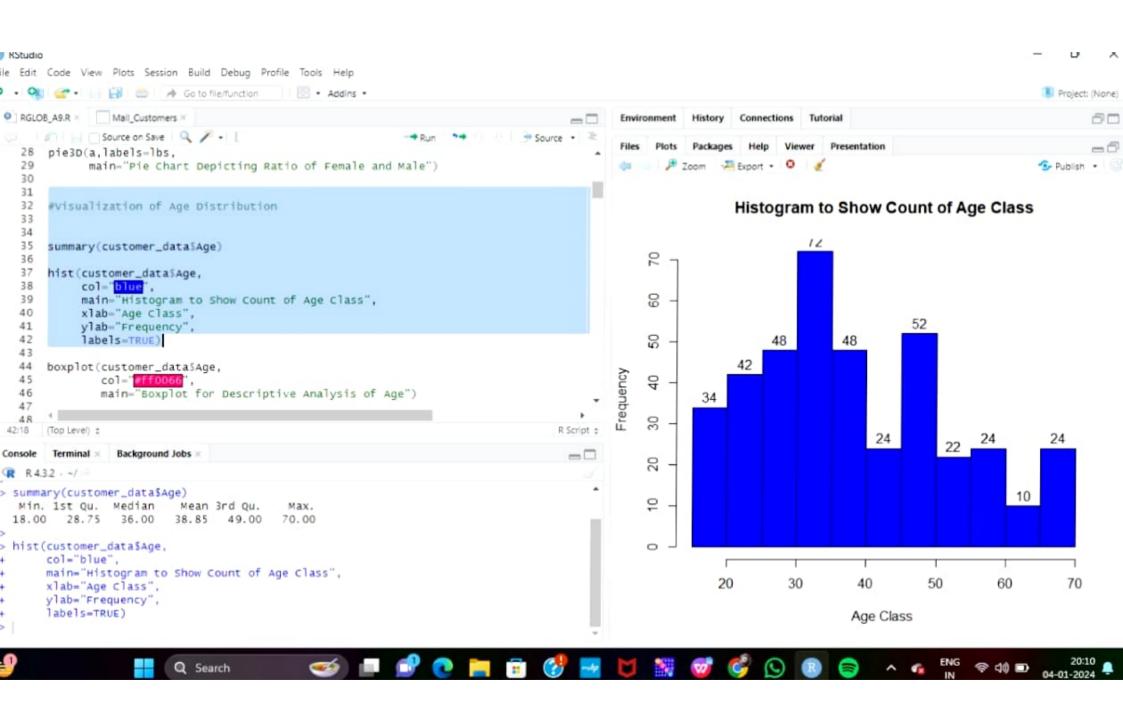
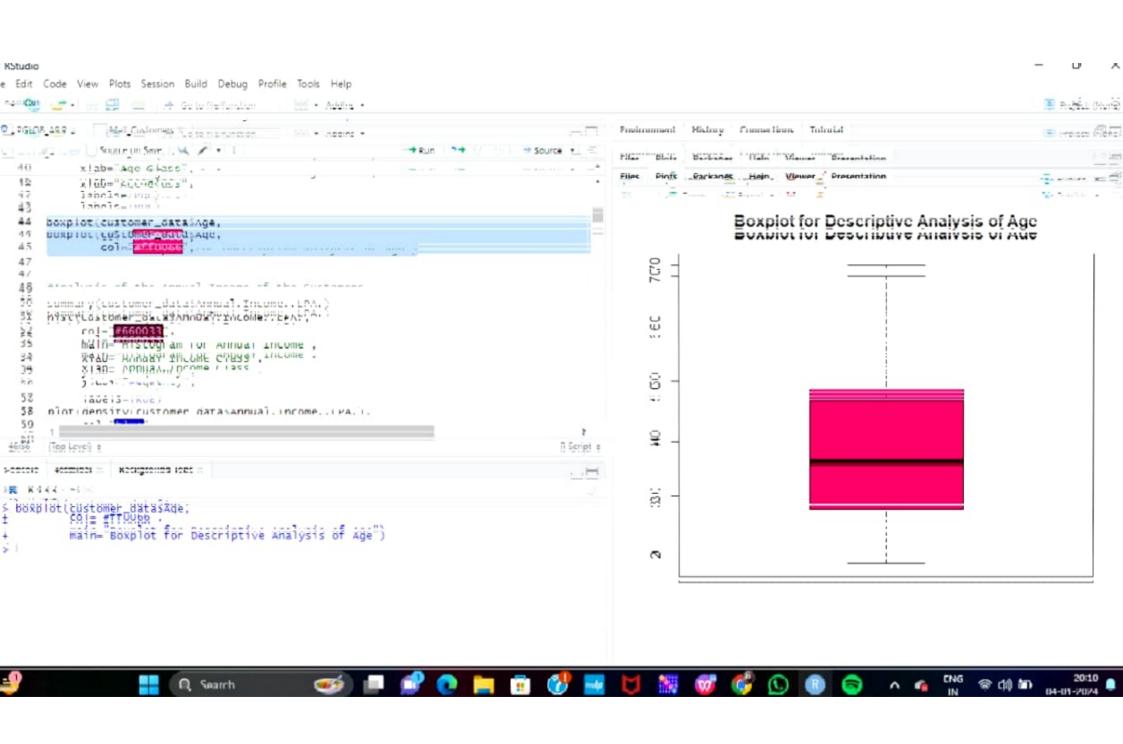
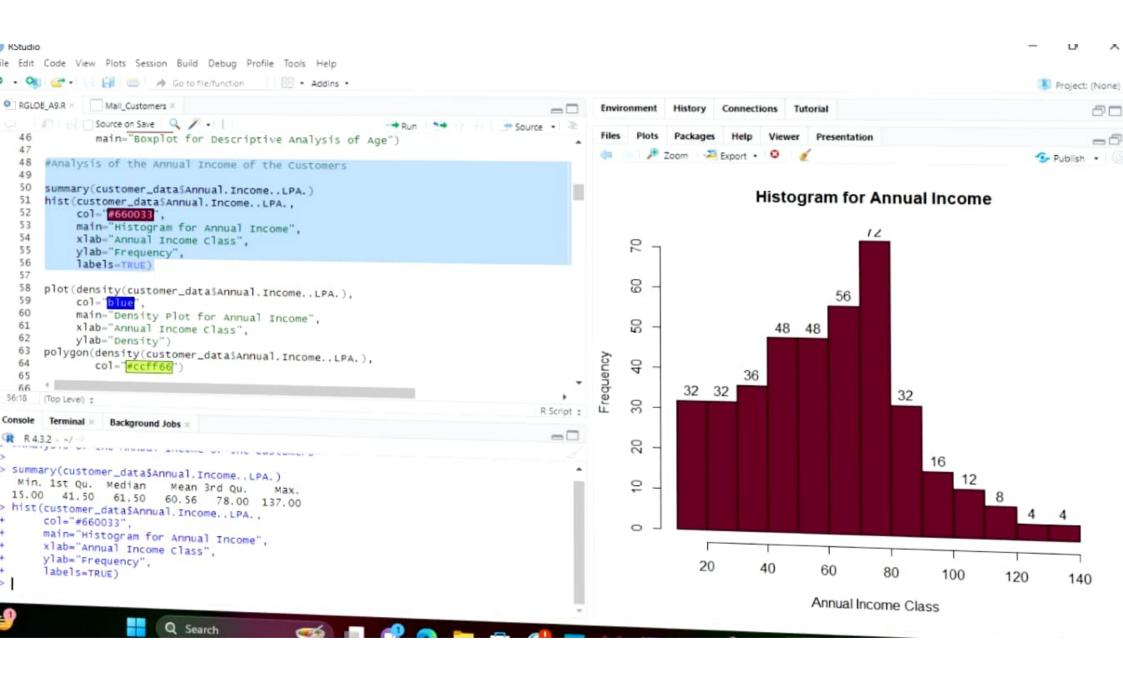
```
Untitled1* X
            ■ Untitled2* ×
                        RGLOB A9.R ×
                                      Untitled3* ×
                                                    Mail Customers ×
      Source on Save Q / V
                                                                   Run ** Source *
       customer_data=read.csv("C:\\Users\\manne\\Downloads\\Mall_Customers.csv")
       str(customer_data)
       names(customer_data)
       head(customer_data)
    6
       summary(customer_dataSAge)
       sd(customer_dataSAge)
       summary(customer_dataSAnnual.Income..LPA.)
  10
       sd(customer_dataSAnnual.Income..LPA.)
  11
       summary(customer_dataSAge)
  12
       sd(customer_data$Spending.Score..1.100.)
  13
  14
  15
       #Customer Gender Visualization
  16
  17
       a=table(customer_datasGender)
  18
       barplot(a, main="Using BarPlot to display Gender Comparision",
  19
 12:41
       (Top Level) :
                                                                                    R Script :
       Terminal ×
                 Background Jobs ×
                                                                                      Console
R R43.2 - ~/ ≈
> sd(customer_data$Age)
[1] 13.95149
> summary(customer_data$Annual.Income..LPA.)
  Min. 1st Qu. Median
                           Mean 3rd Qu.
                                           Max.
 15.00
         41.50
                  61.50
                          60.56 78.00 137.00
> sd(customer_data$Annual.Income..LPA.)
[1] 26.23179
> summary(customer_data$Age)
  Min. 1st Qu. Median Mean 3rd Qu.
                                           Max.
 18.00 28.75
                  36.00
                          38.85
                                  49.00
                                          70.00
> sd(customer_data$Spending.Score..1.100.)
[1] 25.79114
```

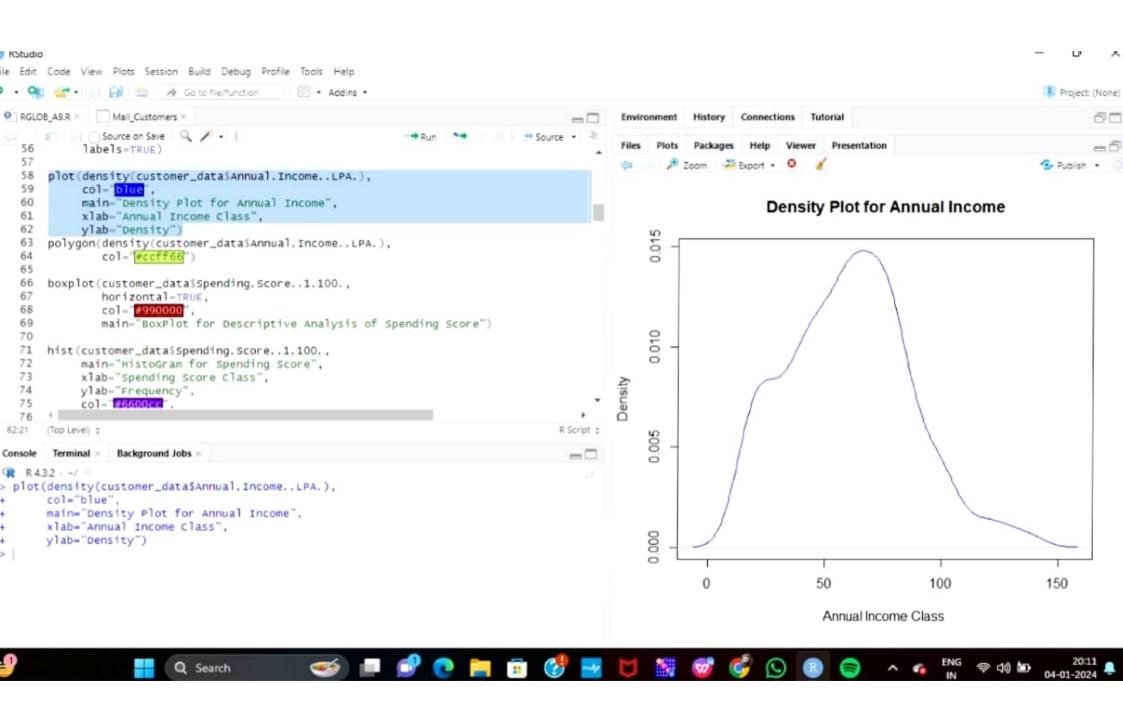


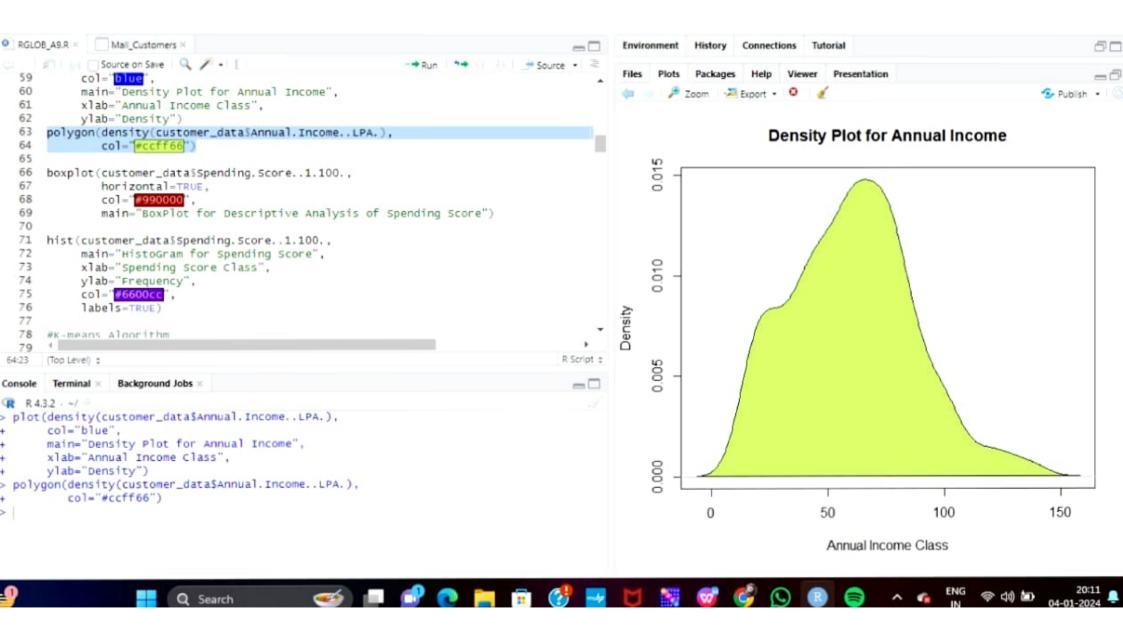


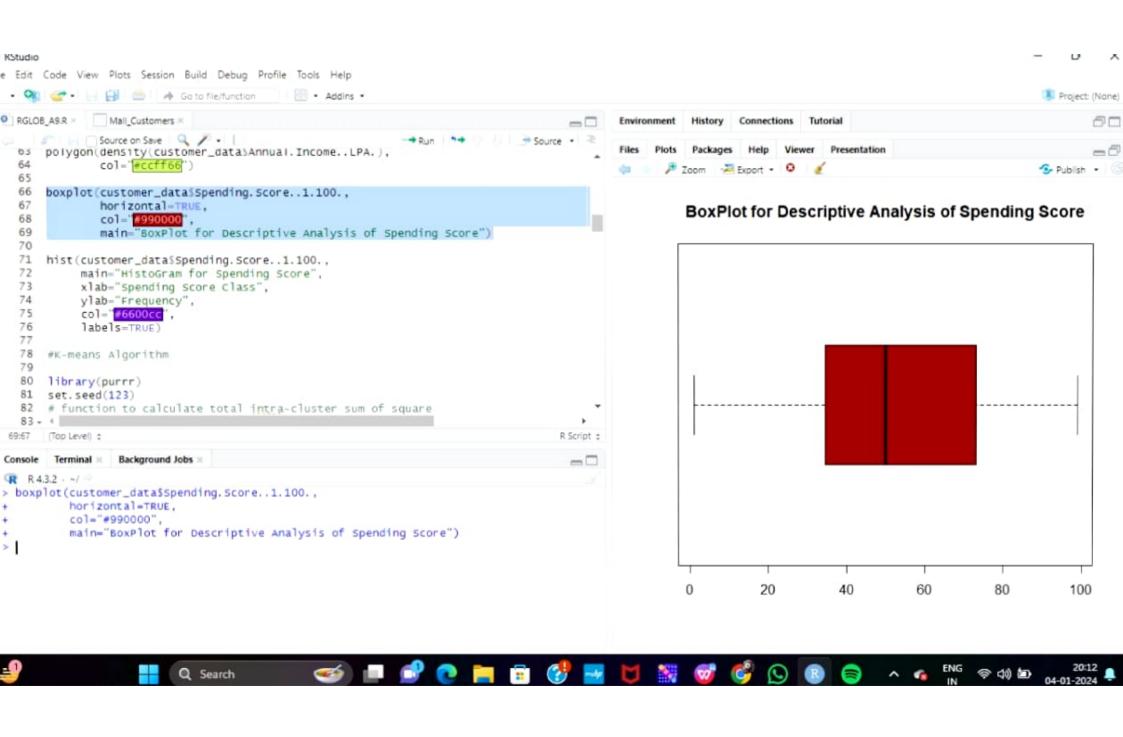


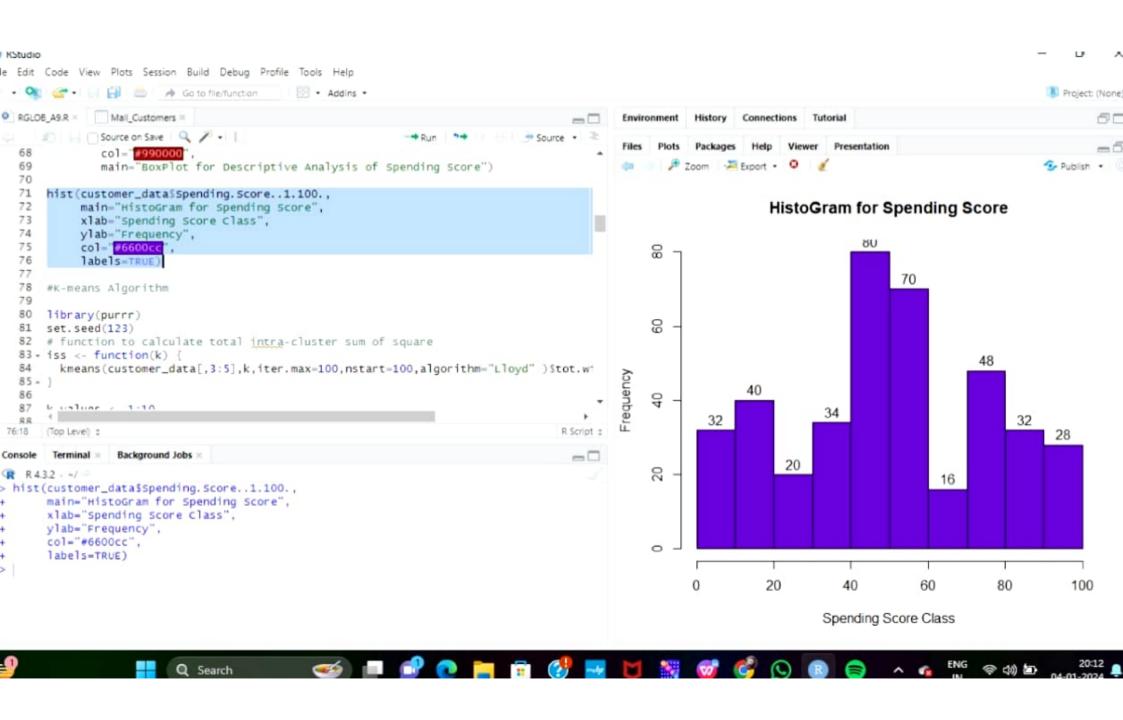


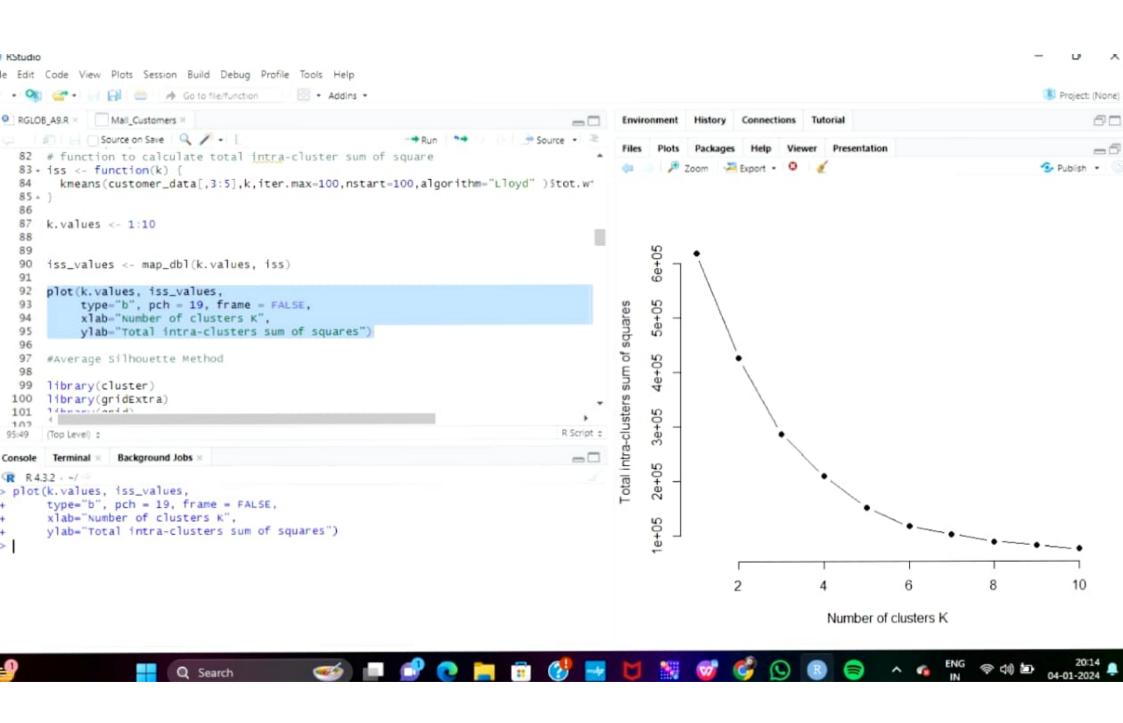


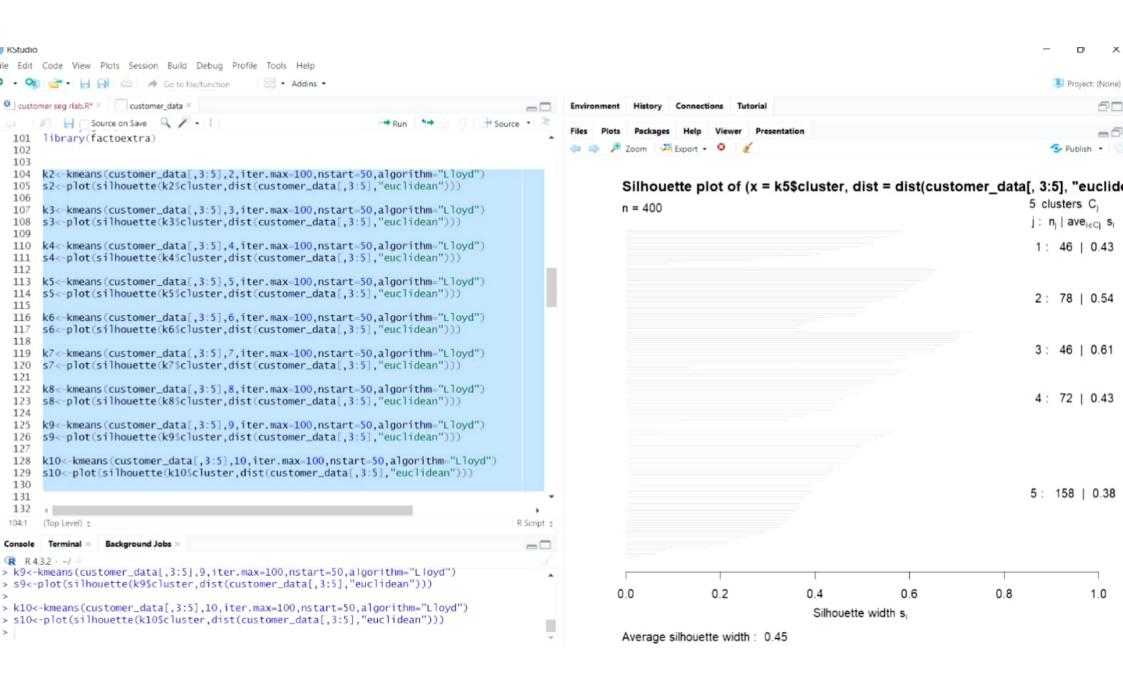


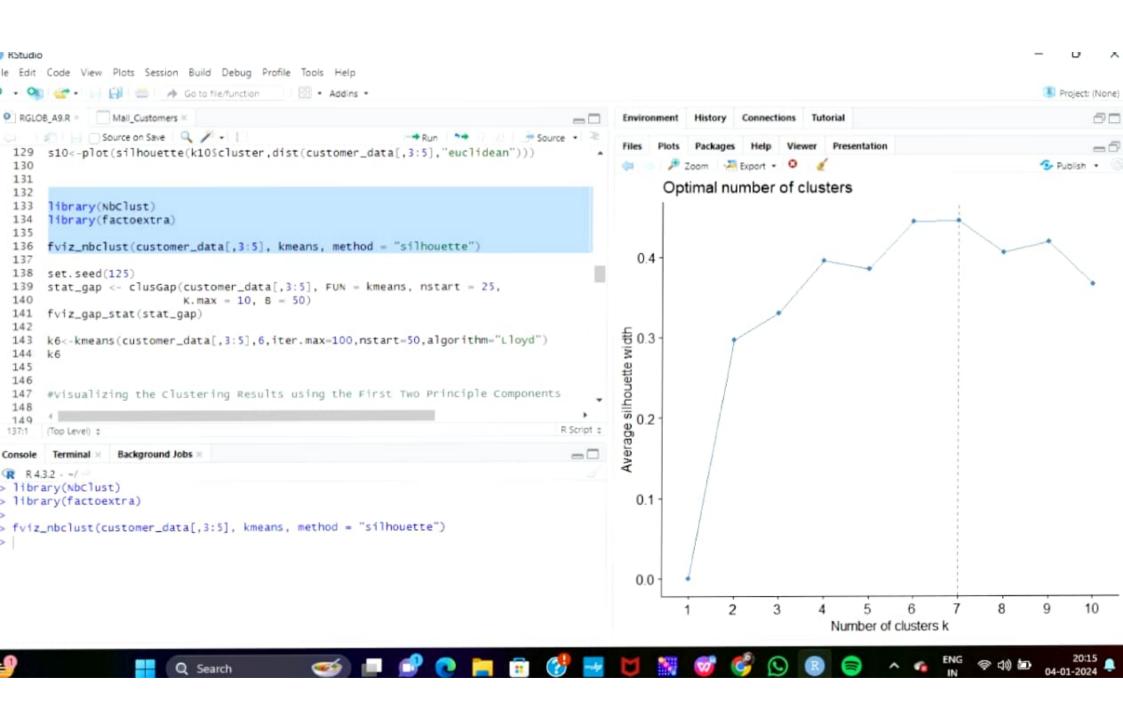


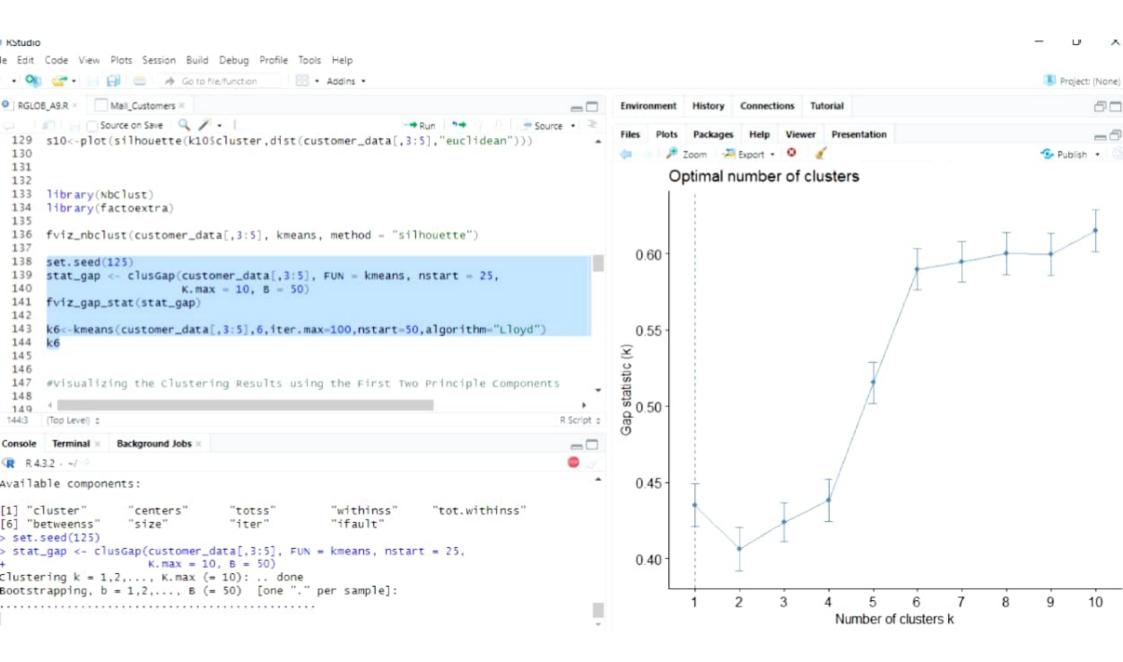


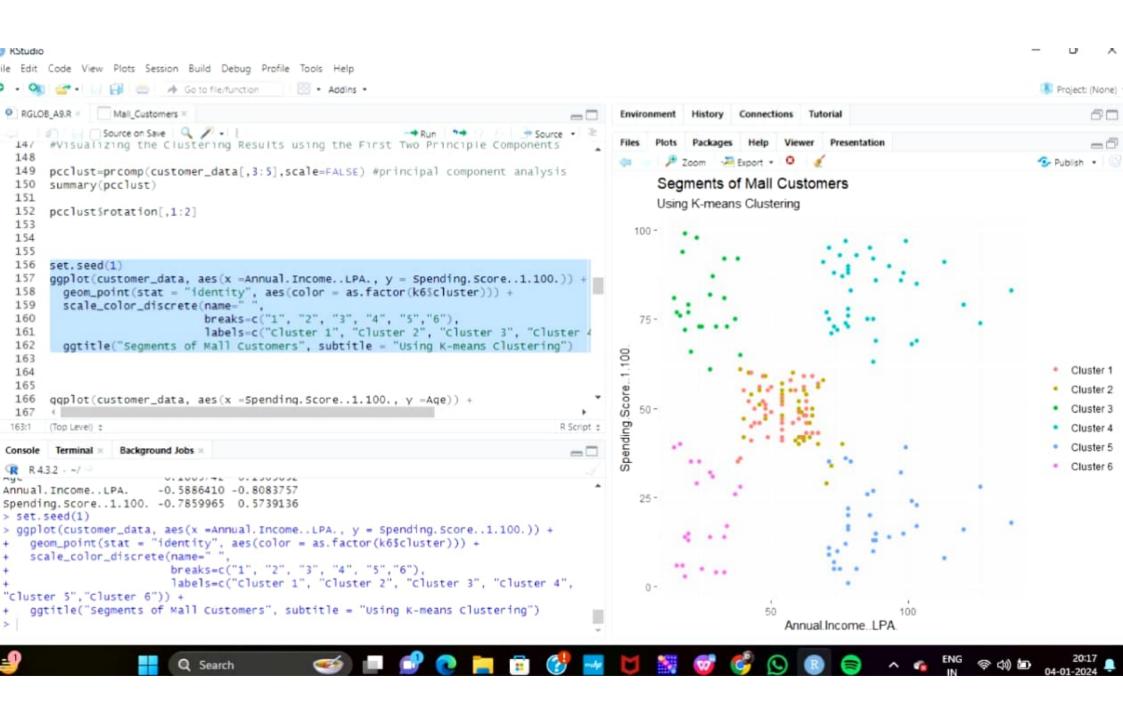












RStudio le Edit Code View Plots Session Build Debug Profile Tools Help Project: (None) → Go to file/function Addins * RGLOB_A9.R 00 Mail_Customers III Environment History Connections Tutorial Source on Save Q / -* Source * Viewer Presentation -5 qqplot(customer_data, aes(x =Annual.Income..LPA., y = Spending.Score..1.100.)) + 157 Zoom → Export → ○ Publish • 158 geom_point(stat = "identity", aes(color = as.factor(k6scluster))) + 159 scale_color_discrete(name=" Segments of Mall Customers breaks=c("1", "2", "3", "4", "5", "6"), 160 Using K-means Clustering 161 labels=c("cluster 1", "cluster 2", "cluster 3", "cluster 4 162 ggtitle("Segments of Mall Customers", subtitle - "Using K-means Clustering") 163 70 -164 165 166 ggplot(customer_data, aes(x = Spending.Score..1.100., y = Age)) + 167 geom_point(stat = "identity", aes(color = as.factor(k6%cluster))) + 168 scale_color_discrete(name=" 169 breaks=c("1", "2", "3", "4", "5", "6"), labels=c("Cluster 1", "Cluster 2", "Cluster 3", "Cluster 4 170 171 qqtitle("Segments of Mall Customers", subtitle = "Using K-means Clustering") 172 173 50 -Cluster 1 174 Cluster 2 175 - kCols=function(vec){cols=rainbow (length (unique (vec))) 176 -Cluster 3 R Script a Cluster 4 (Top Level) : 40 -Cluster 5 Background Jobs Terminal Cluster 6 R 4.3.2 - ~/ labels=c("Cluster 1", "Cluster 2", "Cluster 3", "Cluster 4", 'Cluster 5", "Cluster 6")) + 30 agtitle("Segments of Mall Customers", subtitle = "Using K-means Clustering") ggplot(customer_data, aes(x =Spending.Score..1.100., y =Age)) + geom_point(stat = "identity", aes(color = as.factor(k6\$cluster))) + scale_color_discrete(name=" breaks=c("1", "2", "3", "4", "5", "6"), labels=c("cluster 1", "cluster 2", "cluster 3", "cluster 4", 'Cluster 5", "Cluster 6")) + 75 ggtitle("Segments of Mall Customers", subtitle = "Using K-means Clustering") 25 100 Spending.Score.. 1.100. 🥣 🖃 💕 🧑 📜 🗑 🙀 🖼 💆 🚟 Q Search

