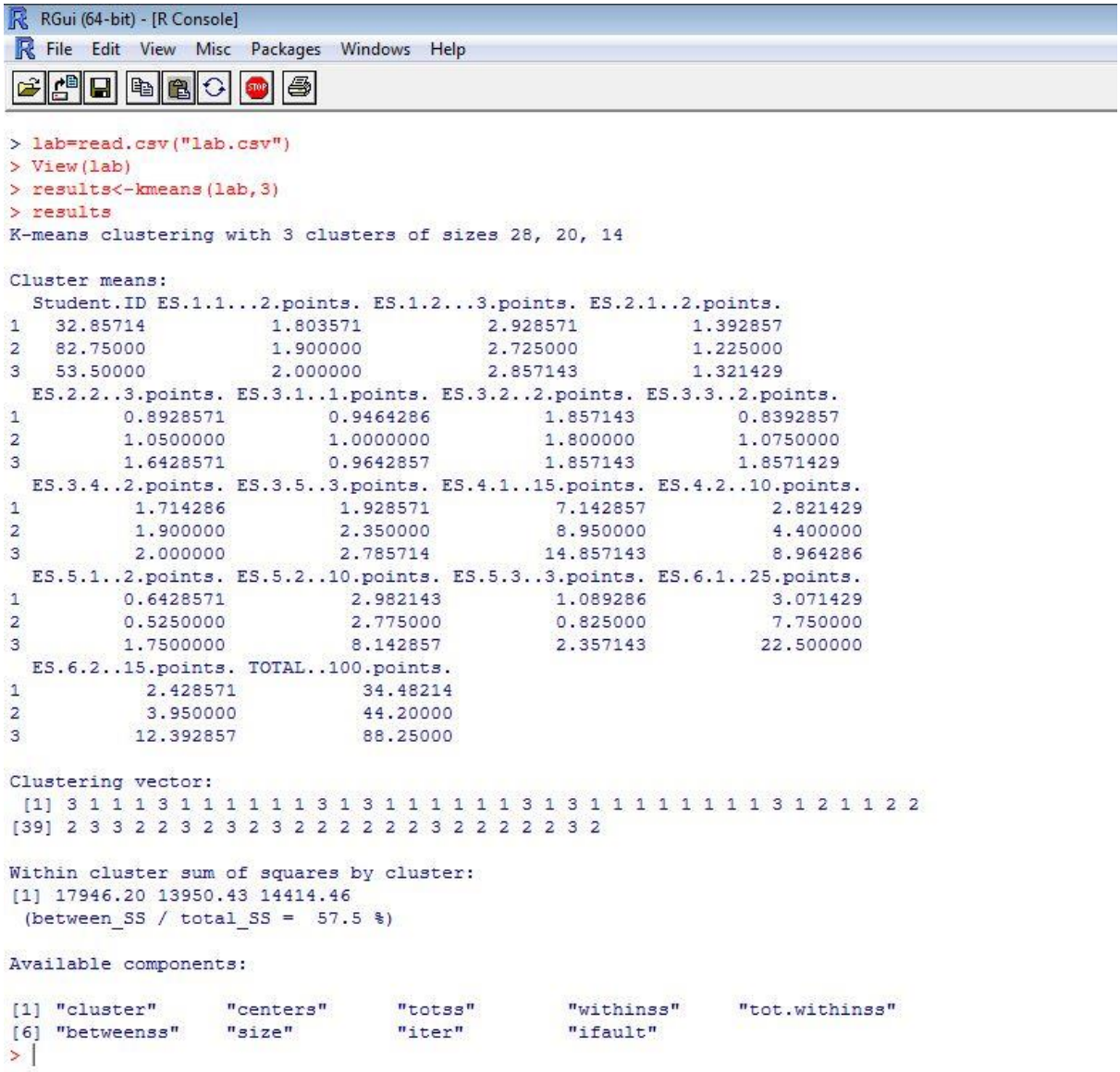
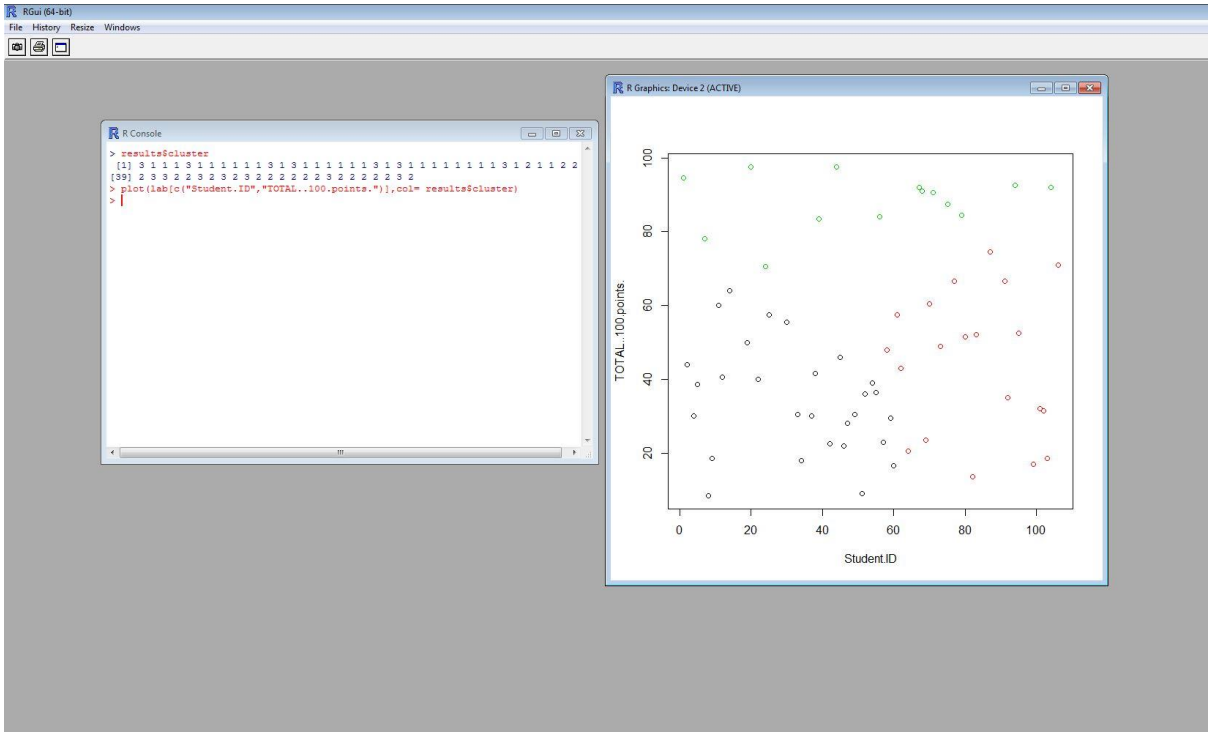
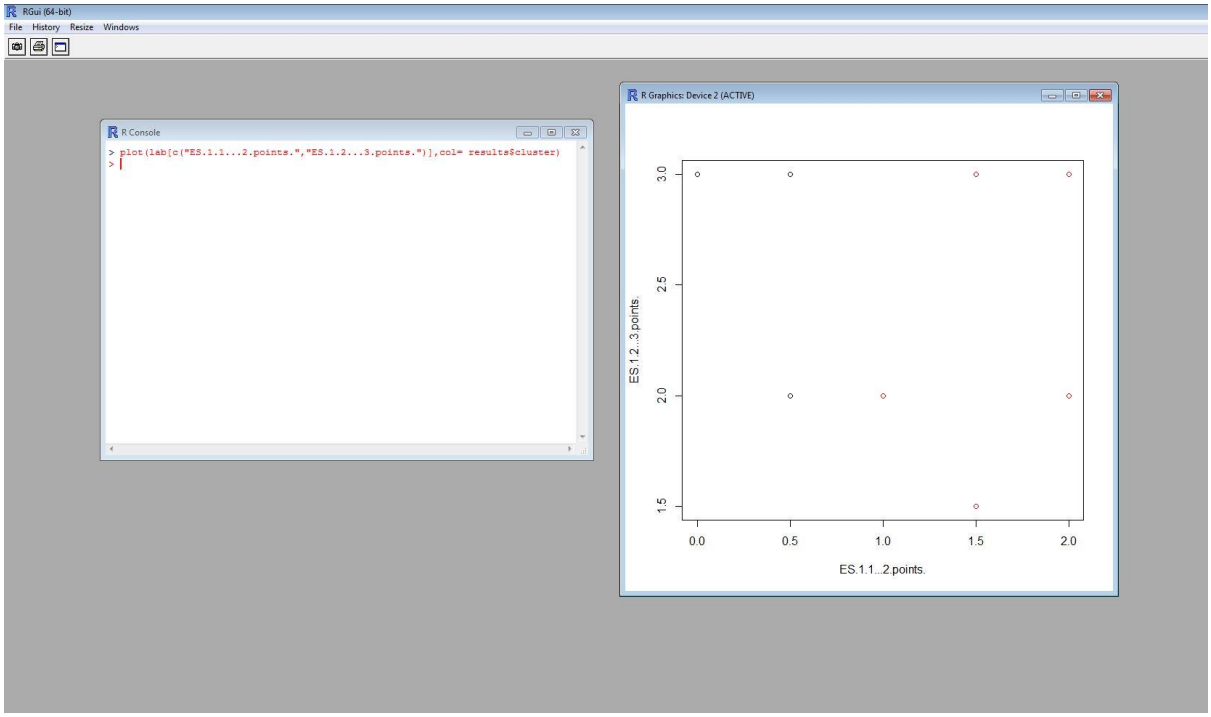
1. Implementation of K-means Clustering




RGui (64-bit)
File History Resize Windows
R Console
> results$cluster
[1] 3 1 1 1 3 1 1 1 1 1 1 3 1 3 1 1 1 1 1 1 3 1 3 1 1 1 1 1 1 1 1 3 1 2 1 1 2 2
[39] 2 3 3 2 2 3 2 3 2 3 2 2 2 2 2 2 3 2 2 2 2 2 3 2
> plot(lab[c("Student.ID","TOTAL..100.points.")],col= results$cluster)
>
R Graphics: Device 2 (ACTIVE)
TOTAL..100.points.
Student.ID
0
20
40
60
80
100


RGui (64-bit)
File History Resize Windows
R Console
> plot(lab[c("ES.1.1...2.points.","ES.1.2...3.points.")],col= results$cluster)
>
R Graphics: Device 2 (ACTIVE)
ES.1.2...3.points.
ES.1.1...2.points.
1.5
2.0
2.5
3.0
0.0
0.5
1.0
1.5
2.0

2. Implementation of weather API