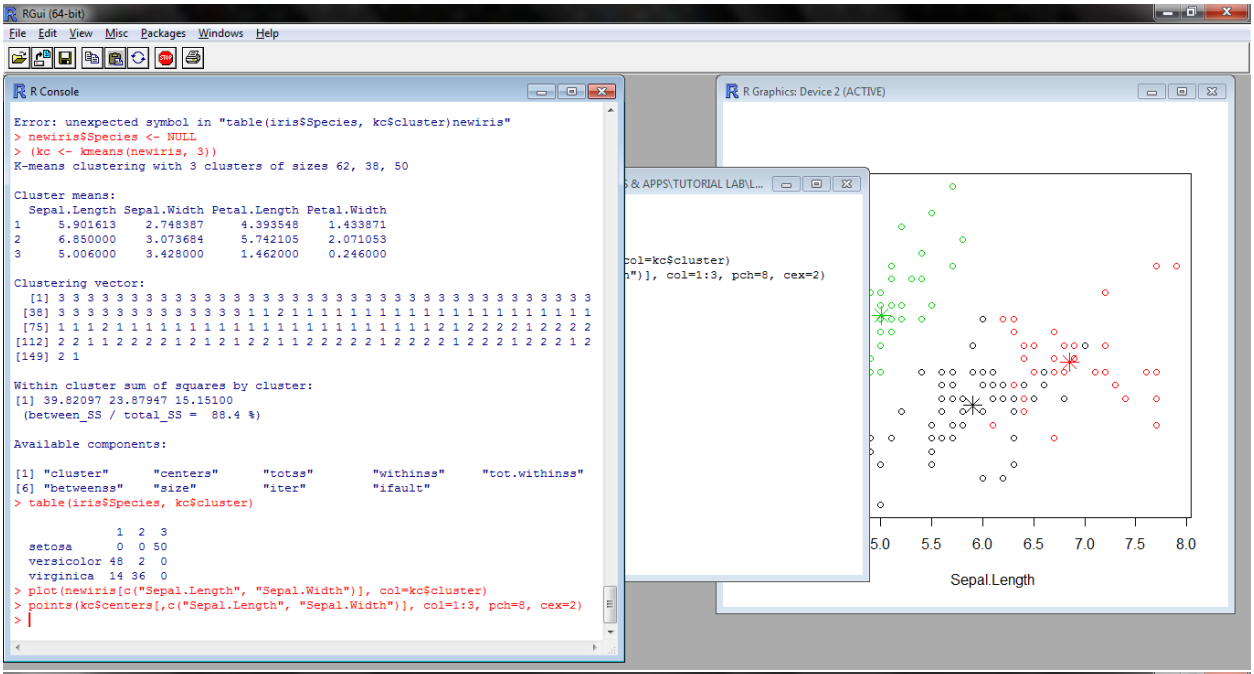
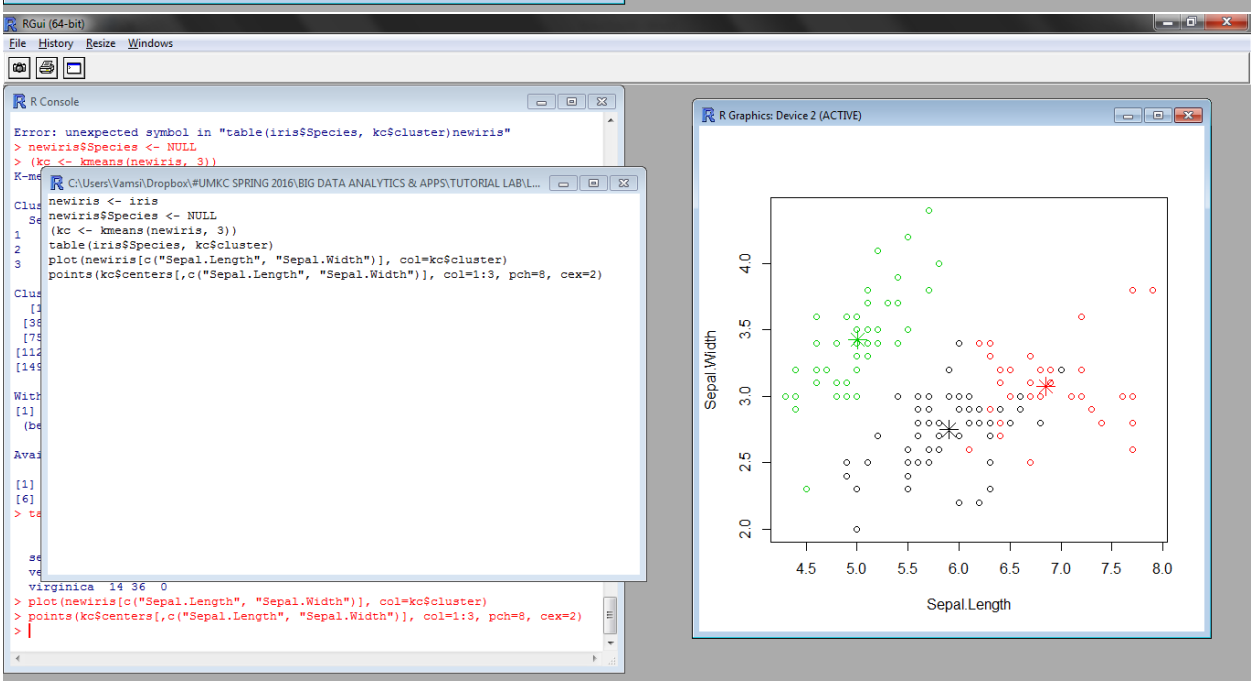

RGui (64-bit)
File Edit View Misc Packages Windows Help
R Console
Error: unexpected symbol in "table(iris$Species, kc$cluster)newiris"
> newiris$Species <- NULL
> (kc <- kmeans(newiris, 3))
K-means clustering with 3 clusters of sizes 62, 38, 50
Cluster means:
  Sepal.Length Sepal.Width Petal.Length Petal.Width
1   5.901613   2.748387   4.393548   1.433871
2   6.850000   3.073684   5.742105   2.071053
3   5.006000   3.428000   1.462000   0.246000
Clustering vector:
  [1] 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
 [38] 3 3 3 3 3 3 3 3 3 3 3 3 3 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 [75] 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 2 2 2 2 1 2 2 2 2
[112] 2 2 1 1 2 2 2 2 1 2 1 2 1 2 2 1 1 2 2 2 2 2 2 1 2 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2
[149] 2 1
Within cluster sum of squares by cluster:
[1] 39.82097 23.87947 15.15100
 (between_SS / total_SS = 88.4 %)
Available components:
[1] "cluster"   "centers"   "totss"   "withinss"   "tot.withinss"
[6] "betweenss"   "size"   "iter"   "ifault"
> table(iris$Species, kc$cluster)
             1 2 3
  setosa   0 0 50
  versicolor 48 2 0
  virginica 14 36 0
> plot(newiris[c("Sepal.Length", "Sepal.Width")], col=kc$cluster)
> points(kc$centers[,c("Sepal.Length", "Sepal.Width")], col=1:3, pch=8, cex=2)
R Graphics: Device 2 (ACTIVE)
Sepal.Length


RGui (64-bit)
File History Resize Windows
R Console
Error: unexpected symbol in "table(iris$Species, kc$cluster)newiris"
> newiris$Species <- NULL
C:\Users\Vamsi\Dropbox\#UMKC SPRING 2016\BIG DATA ANALYTICS & APPS\TUTORIAL LAB\L...
newiris <- iris
newiris$Species <- NULL
(kc <- kmeans(newiris, 3))
table(iris$Species, kc$cluster)
plot(newiris[c("Sepal.Length", "Sepal.Width")], col=kc$cluster)
points(kc$centers[,c("Sepal.Length", "Sepal.Width")], col=1:3, pch=8, cex=2)
virginica 14 36 0
> plot(newiris[c("Sepal.Length", "Sepal.Width")], col=kc$cluster)
> points(kc$centers[,c("Sepal.Length", "Sepal.Width")], col=1:3, pch=8, cex=2)
R Graphics: Device 2 (ACTIVE)
Sepal.Width
Sepal.Length