

## **#Kmeans clustering**

```
rm(list = ls()) # Free up memory
```

```
gc() # Garbage Collection
```

```
install.packages("fpc")
```

```
install.packages("cluster")
```

```
library(cluster)
```

```
library(fpc) # Flexible Procedures for Clustering
```

```
data(iris)
```

```
View(iris)
```

```
summary(iris)
```

```
data1 <- iris[, -5] # Remove the class variable
```

```
View(data1)
```

```
head(data1)
```

```
plot(data1)
```

## **# K-means clustering**

```
set.seed(789)
```

```
clust <- kmeans(data1, centers=3, iter.max = 10)
```

```
clust
```

## **#Plotting the Clusters**

```
plotcluster(data1, clust$cluster)
```

```
*****
```