```r
library(ggplot2)

data("iris")

iris_data <- iris[, -5]


set.seed(58)


kmeans_result <- kmeans(iris_data, centers = 3, nstart = 25)

print(kmeans_result)


iris$cluster <- as.factor(kmeans_result$cluster)


table(iris$Species, iris$cluster)


ggplot(iris, aes(x = Sepal.Length, y = Sepal.Width)) +
 geom_point(size = 3) +
 ggtitle("K-means Clustering") +
 theme_minimal()
```