

```
library(class)
data(iris, package="datasets")
x <- sample(c(1:150),120)
train <- iris[x,1:4]
test <- iris[-x,1:4]
train.cl <- iris[x,5]
test.cl <- iris[-x,5]
iris.knn <- knn(train, test, train.cl, k = 1)
table(test.cl,iris.knn)
iris.knn3 <- knn(train, test, train.cl, k = 3)
table(test.cl,iris.knn3)
iris.knn5 <- knn(train, test, train.cl, k = 5)
table(test.cl,iris.knn5)
iris.knn11 <- knn(train, test, train.cl, k = 11)
table(test.cl,iris.knn11)
iris.knn15 <- knn(train, test, train.cl, k = 15)
table(test.cl,iris.knn15)
```