**K MEANS CLUSTERING**

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data()

data\_iris<-iris

data\_iris<-data\_iris[,-5]

model<-kmeans(data\_iris,3,100)

model$cluster

data\_iris2<-iris

data\_iris2<-cbind(data\_iris2,model$cluster)

write.csv(data\_iris2,"data\_iris2.csv")

k.max=15

wss=sapply(1:k.max,function(k)(kmeans(data\_iris,k,iter.max = 1000)$tot.withinss))

plot(1:k.max,wss,type='b',pch=19)