```
Untitled1* × Q fit × USArrests ×
                                                                             Console Terminal ×
 □ 🖒 🔝 🔲 Source on Save 🔍 🎢 🔻 🗐 → Run 🖼 🕩 Source 🔻 🗏
  1 data(USArrests)
                                                                             > data(USArrests)
  2 str(USArrests)
                                                                             > str(USArrests)
                                                                             'data.frame': 50 obs. of 4 variables:

$ Murder : num 13.2 10 8.1 8.8 9 7.9 3.3 5.9 15.4 17.4 ...
 d d <- dist(USArrests, method="euclidean")
fit <- hclust(d, method="ave")</pre>
                                                                              $ Assault : int 236 263 294 190 276 204 110 238 335 211 ...
                                                                              $ UrbanPop: int 58 48 80 50 91 78 77 72 80 60 ...
 7 par(mfrow = c(1,2))
8 plot(fit)
                                                                              $ Rape : num 21.2 44.5 31 19.5 40.6 38.7 11.1 15.8 31.9 25.8 ...
 9 plot(fit, hang=-1)
                                                                             > d <- dist(USArrests, method="euclidean")</pre>
10 par(mfrow=c(1,1))
                                                                             > fit <- hclust(d, method="ave")
11
12 groups <- cutree(fit, k=6)
13 groups
14
```

















