1. File – new file –R markdown
2. clustering tmp <- c(rnorm(30,-3), rnorm(30,3)) x <- cbind(x=tmp, y=rev(tmp)) plot(x)

Use the kmeans() function setting k to 2 and nstart=20 #

Inspect/print the results #

Q. How many points are in each cluster? # 30 and 30

Q. What ‘component’ of your result object details # - cluster size? # - cluster assignment/membership? # - cluster center? # Plot x colored by the kmeans cluster assignment and # add cluster centers as blue points # Q. Repeat for k=3, which has the lower tot.withinss?