Heatmap Practice (Totally optional- doesn't count toward grade)

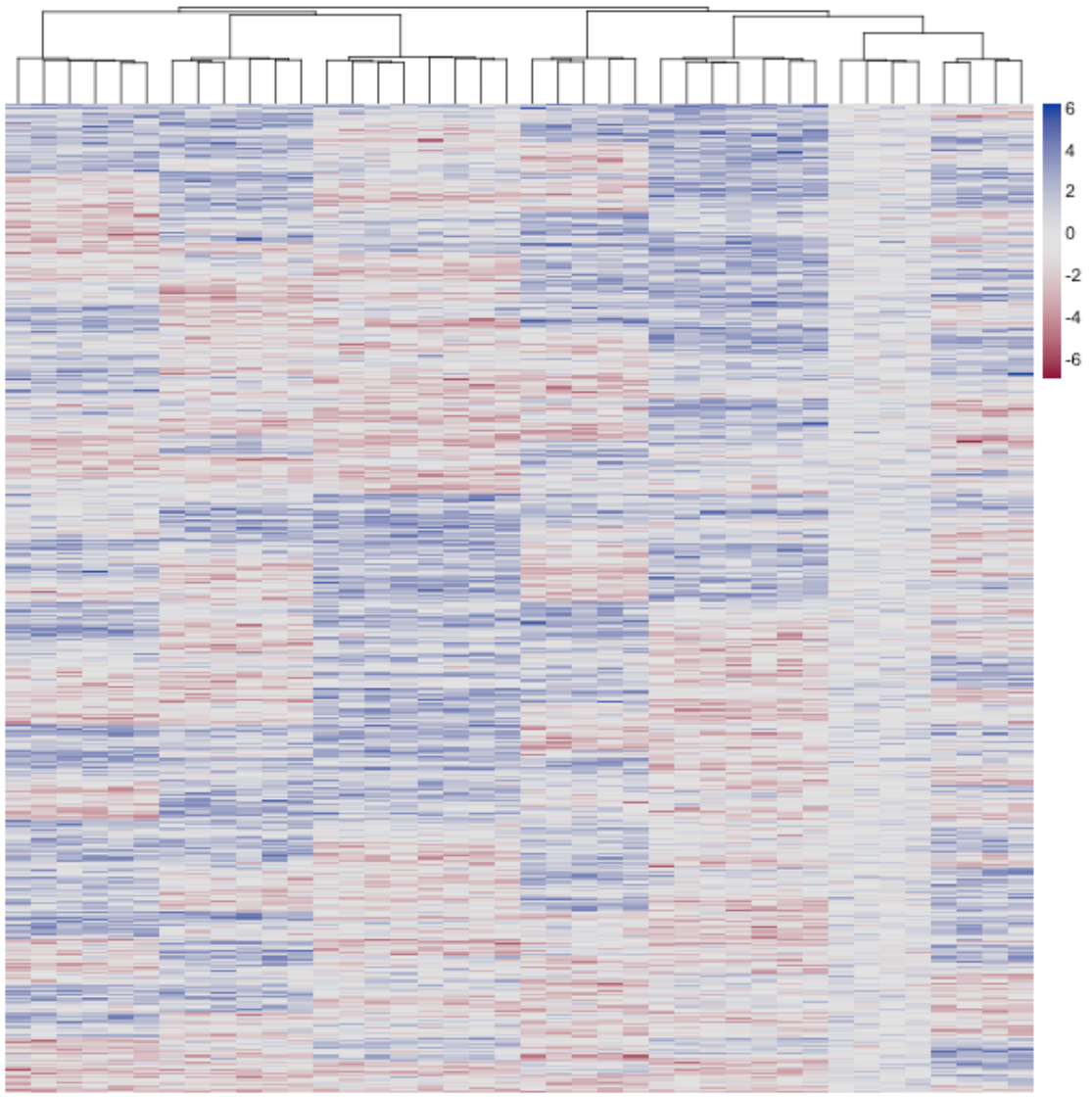
The due date for this quiz is Sun 17 Mar 2013 8:00 AM PDT.

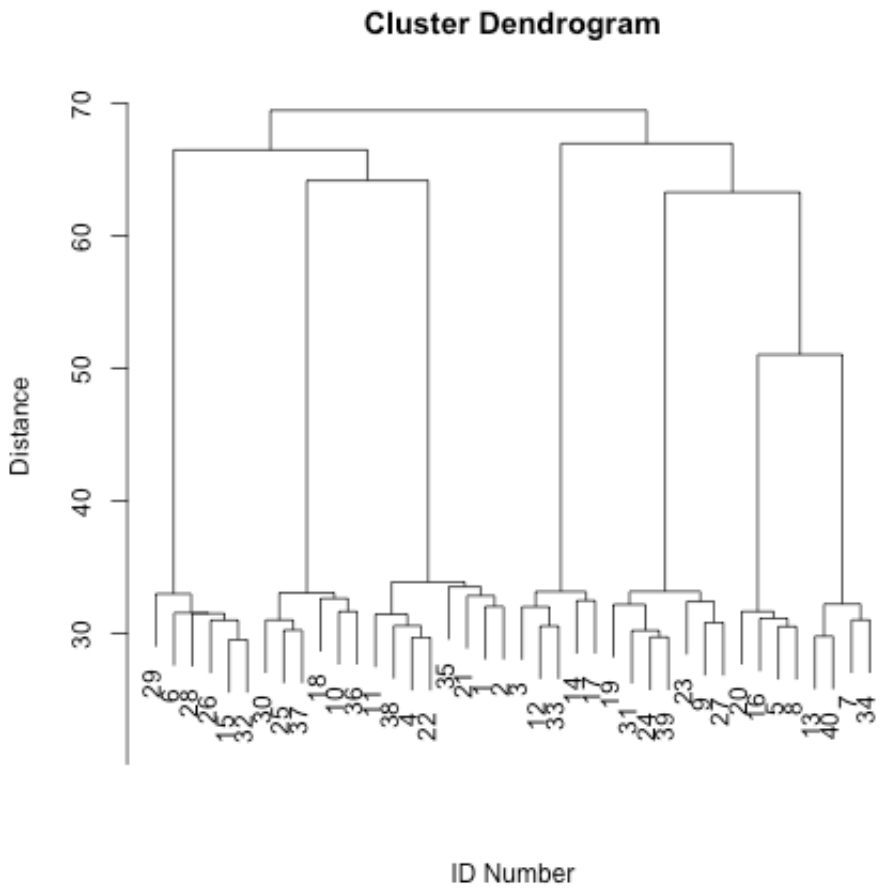
Question 1

The following heatmap and dendrogram were generated from a sample with an unknown number of underlying clusters. For each of the observations (the heatmap's columns) we have 500 measurements (the heatmaps rows). Individuals in the same cluster will tend to have similar values for the measurements taken, but these similarities will be obfuscated by noise.

From looking at these plots, how many true clusters do you think are most likely in the sample?

(Enter any number from 1 to 10)


6
4
2
0
-2
-4
-6

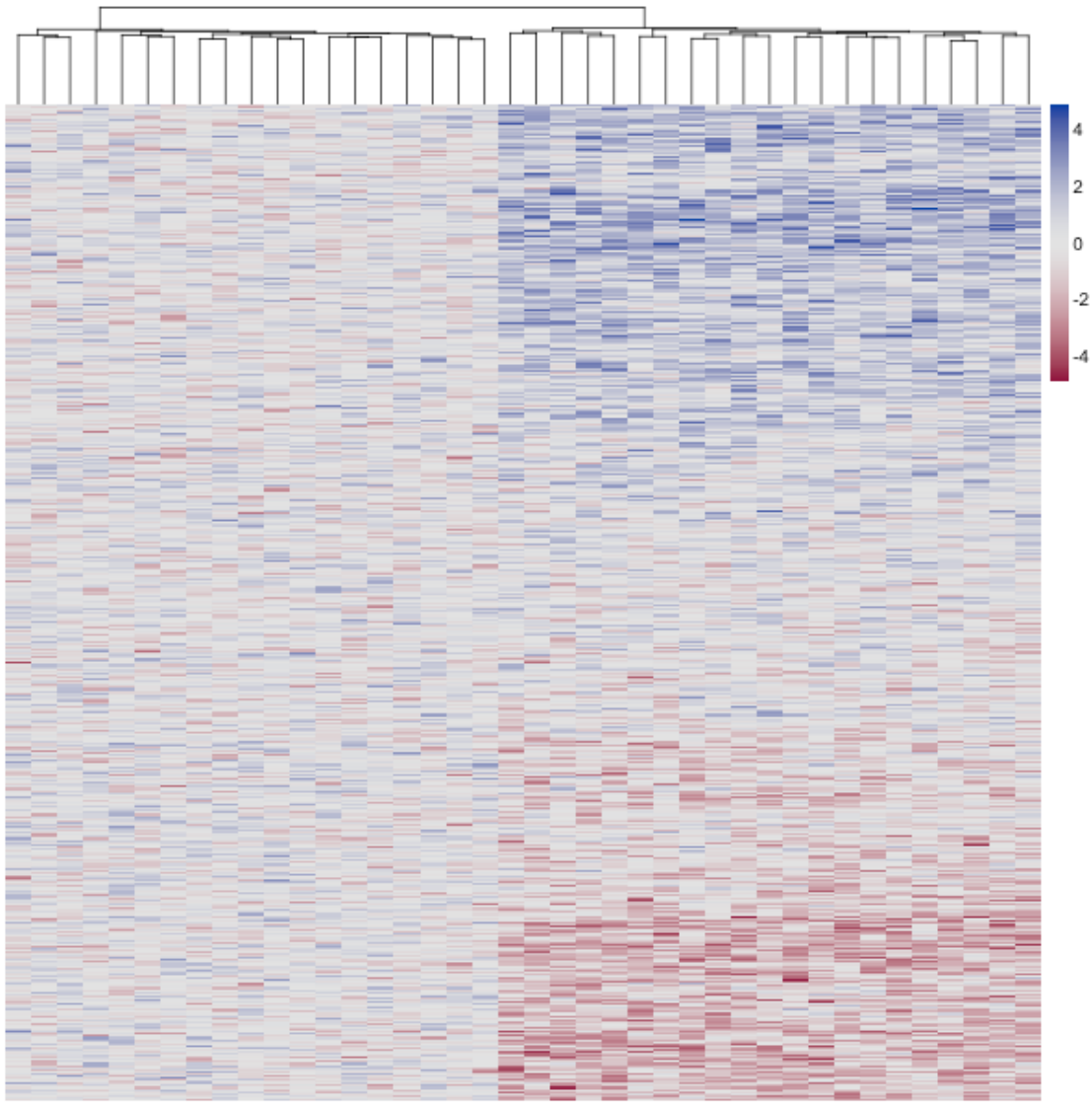


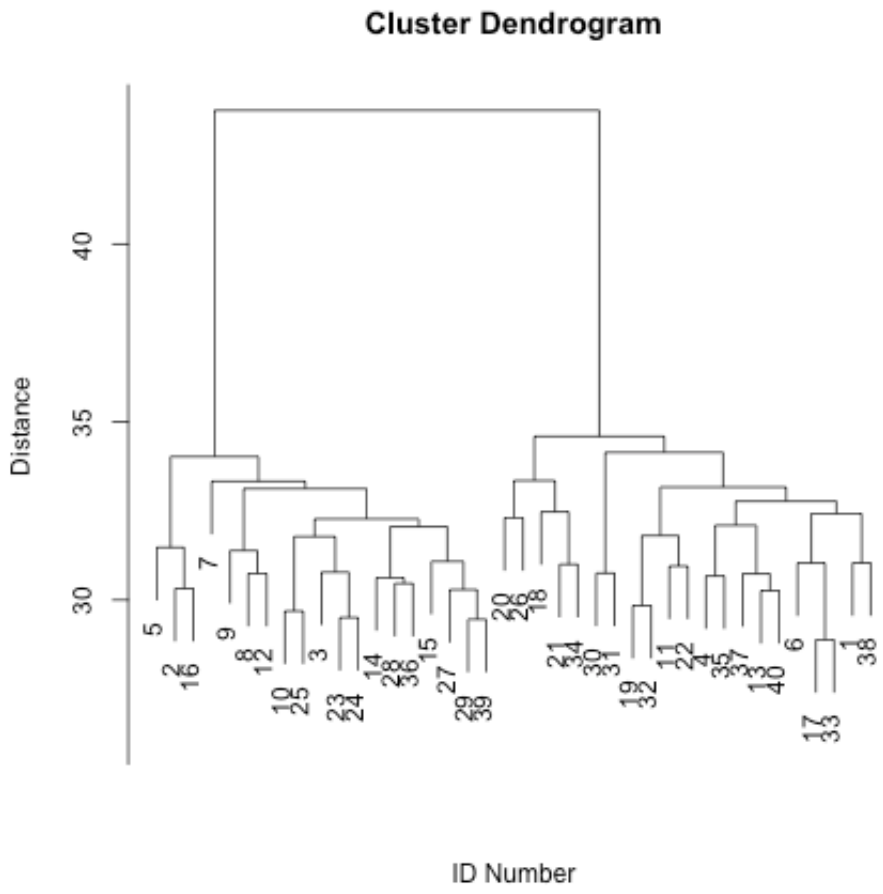
Question 2

The following heatmap and dendrogram were generated from a sample with an unknown number of underlying clusters. For each of the observations (the heatmap's columns) we have 500 measurements (the heatmaps rows). Individuals in the same cluster will tend to have similar values for the measurements taken, but these similarities will be obfuscated by noise.

From looking at these plots, how many true clusters do you think are most likely in the sample?

(Enter any number from 1 to 10)



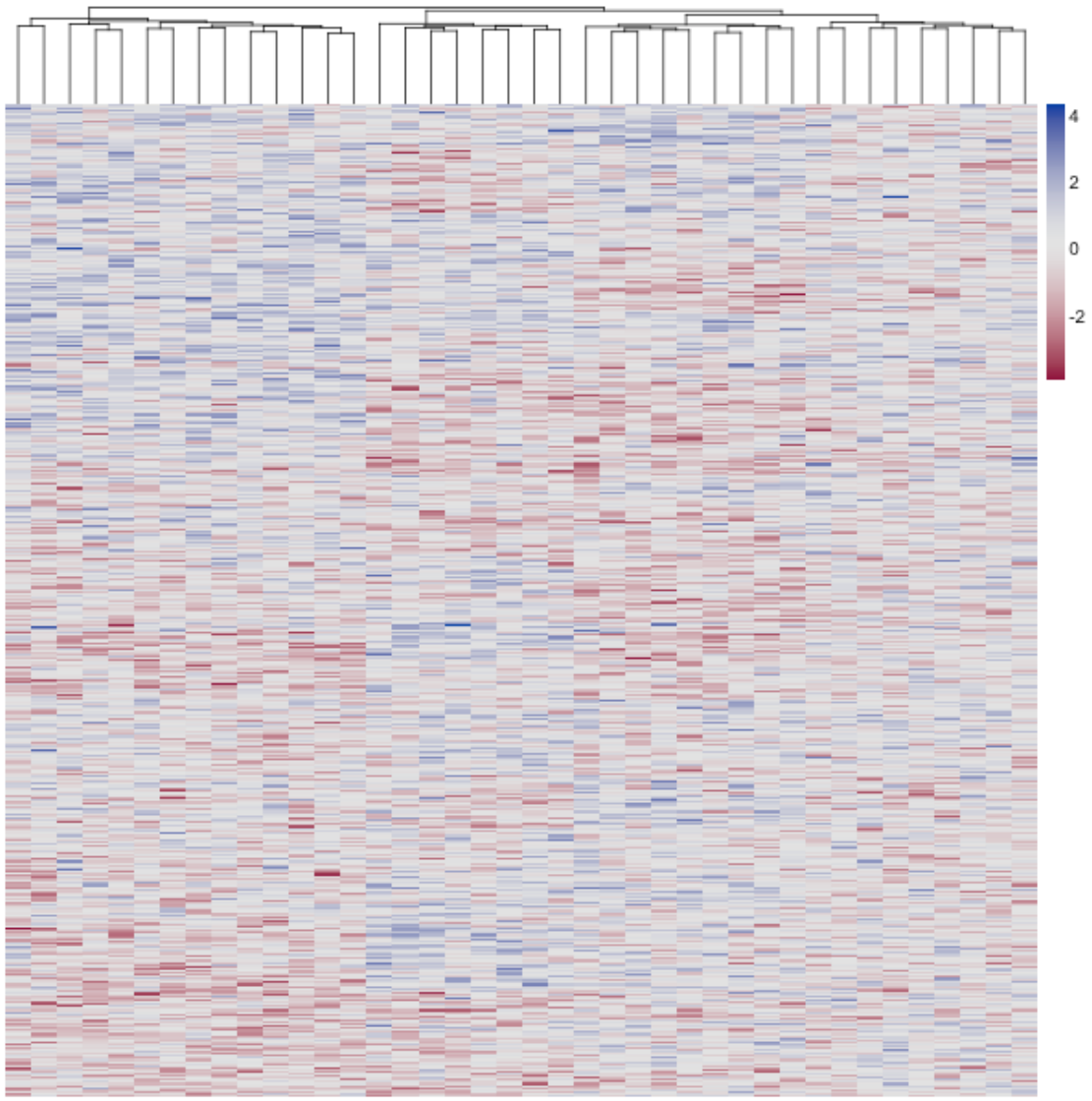


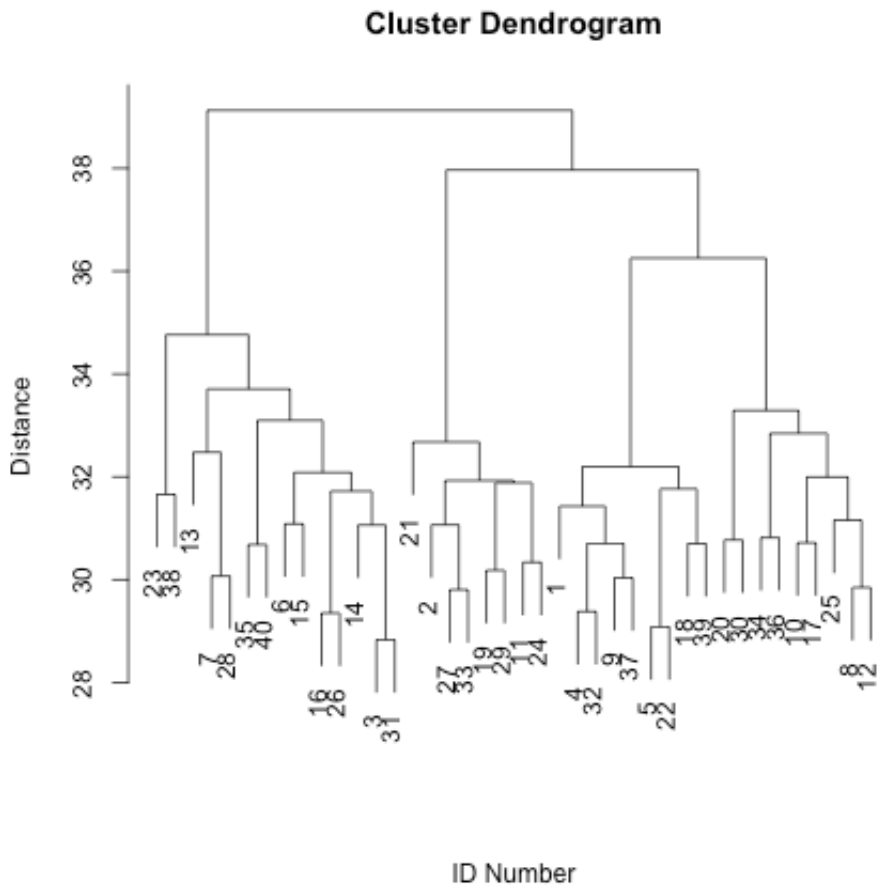
Question 3

The following heatmap and dendrogram were generated from a sample with an unknown number of underlying clusters. For each of the observations (the heatmap's columns) we have 500 measurements (the heatmaps rows). Individuals in the same cluster will tend to have similar values for the measurements taken, but these similarities will be obfuscated by noise.

From looking at these plots, how many true clusters do you think are most likely in the sample?

(Enter any number from 1 to 10)





In accordance with the Honor Code, I certify that my answers here are my own work.

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