Part I: Course Logistics

Paper proposals are due next week
   What data will you use
   A question you will answer
   List problems/issue you foresee with answering the question

Part II: Problem Set #1

What did you find?
What is the relationship between dichotomization choices and other measures like distance?
How should one think about choices of dichotomization?
What did you find for the chain network re Bonacich power?
Were the measures similar or different? Why might they be different? Why might they be similar?
Did you find anything else while doing exploratory analysis?

Part III: Summary of cohesive subgroups readings

Presentation
Discussion
   Specifics on various definitions of cohesive subgroups
   Relationship between concepts and measures
   Why are cohesive subgroups important? Why are core-periphery structures important?
   Are cores different than cohesive subgroups?
   How might you wish to use these concepts?
   Borgatti/Everett readings: Creating ideal types and measures of fit.

Break

Part IV: Interpreting cohesive subgroup output –clustering

First look at interpreting hierarchical clustering output
   K-cores, N-cliques, etc.
Data: www.albany.edu/faculty/kretheme/ClusteringExamples.zip
   What is clustering? What is purpose of clustering
   Different methods of clustering
Interpreting overlap matrices
Using analysis to help visualize the network
How sensitive is subgroup analysis to missing data?

Assignments

- Readings per the syllabus
- Begin working on Problem Sets #2
- Paper proposal