Part I: Course Logistics

Dr. Rethemeyer will join us next week
   Good opportunity for you to ask him network-questions
PS #1 due: next week
   Empirical exercise proposal due: March 13 (see the back page)

Part II: Student summary of centrality readings

Presentation
Discussion
   Specifics on various measures of centrality
   Relationship between concepts and measures
   How is this concept used?
   How might you wish to use this concept?

Break

Part III:

1. Calculating centrality
Data download:
   http://www.albany.edu/faculty/kretheme/PAD637/ClassNotes/Spring%202013/DesignProject.zip
Let’s do degree/betweenness/closeness/Bonacich power centrality analyses in UCINET using “Knowing” data

2. Interpreting centrality findings in two networks – small group exercise (handout)
Data collected from a group of people who have been assigned to a large ad-hoc work group

   The work groups are engaged in a coordination and design project
   The task is to design a new, interdisciplinary degree program for a university
   They are responsible for marketing the program within the university & getting funding
      Shapes indicate person’s “home” department; size the person’s academic rank;
      connections indicate that people previously served together on a university committee or
        know one another; colors are gender; placement in 2D space is using a MDS routine

   The president of university has initially designated actor #6 as the facilitator for the group
   Think about the centrality findings
      Which actors are most central? Are the measures the same?
      What do the different measures suggest conceptually or practically for the work of the
        committee?
      Do the centrality findings suggest any process issues that the group should address if they
        need to work collaboratively?
      What other contextual data would you like to have in order to interpret the findings?
      What do the Bonacich power findings imply? Do the selected betas make sense?

Discussion

Assignment
   • Readings per the syllabus.
   • Be prepared to discuss Problem Set #1 next week
**PAD 637 empirical exercise proposal (due: 3/13 in class)**

The Empirical Exercise is to be completed either individually or in pairs. Format: Maximum 1 page, single-spaced, 12 point font, Times New Romans

Essential elements:
- Title
- Short theoretical backgrounds / Research contexts
- Research question(s) (if you have your hypotheses, it’d be great)
- Why your research question(s) is important/interesting
- Data component: Data source, data size, data structure (i.e., waves)
- General idea about research analysis

* note: ARNOVA’s 42nd annual conference (submission of proposal due: 3/26) 
[http://www.arnova.org/doc/20130130CallForParticipation.pdf](http://www.arnova.org/doc/20130130CallForParticipation.pdf)

**Track: Collaboration & Networks**—How and why do nonprofits collaborate? With whom? What are some formal and informal types of collaboration in the nonprofit and voluntary sector? What are some tools, methods, and theories to help us understand collaborative activity in the sector?

Feedback comments on data and analysis

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**PAD 637 empirical exercise paper (due: 5/13, e-mail: jlee22@albany.edu by 5:00 PM)**

- Format: Maximum 20 page (without references and appendices), double-spaced, 12 point font, Times New Romans, APA style references
- Paper structure for the empirical exercise paper

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<th>Title</th>
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<td>a. Research questions</td>
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<td>b. Hypotheses (if possible)</td>
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<td>III. Data</td>
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<th>IV. Methods</th>
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<tr>
<td>a. Analysis methods:</td>
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<td>Using Network analysis (technically UCINET program), how to answer your research questions</td>
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<th>V. Findings and discussions</th>
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<th>VI. Conclusion</th>
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<td>a. Theoretical implications</td>
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Reference

Appendices: Please attach all of your raw UCINET results

* note:
Main focus is “Methods” (including Data section) and “Findings and discussions”, especially for MPA students! Please try to use more than three different analysis techniques (e.g., density, betweenness centrality, outdegree centrality, cohesive subgroups analysis, core-periphery structure, picturing analysis and etc.).