Part I: Course Logistics

Problem Set #5 due tonight
Problem Set #8 is optional/extra credit

Part II: Review of Problem Sets #5

What did you find?
What questions are unanswered?

Part III: Blockmodels/Positional Analysis – Abstract models of equivalence

What is the difference between automorphic and regular equivalence?
  Automorphic requires similarity in across all graph theoretic characteristics
  Regular requires only similar connections between similar classes of actors
When should one use the abstract models?

Part IV: Reviewing the application papers: Blockmodels in use

Did the authors use the correct equivalence concepts? Why or why not?
Is the analysis convincing?
What would make the analysis more convincing?

Part V: Examples of different equivalence methods

Professors & students example: www.albany.edu/faculty/kretheme/Lec9_ProEx-All.zip
Doctors/Nurse/Patients: http://www.albany.edu/faculty/kretheme/Lec9_DocNursePatEx.zip
Example from Borgatti/Everett: http://www.albany.edu/faculty/kretheme/Lec9_EverettBorgatti.zip
Class Data Spring 2009: http://www.albany.edu/faculty/kretheme/Lec9_ClassDataSpr09.zip
QAP Regression Example: http://www.albany.edu/faculty/kretheme/Lec10_QAP_Reg.zip

Assignments

- Readings per the syllabus. Be sure to read Chapters 1-4 of Structural Holes, Putnam, Coleman, and Lin.
- Complete Problem Sets #6