Part I: Course Logistics

Our last class! Thank you for your cooperation during Spring 2013!
Course evaluation.
May 13 (Monday): Empirical exercise submission by 5:00PM by e-mail.

Part II: Collaborative Governance, Network Effects & Diffusion

Presentation: Dante and Bethany
Ansell & Gash (2008).
Marsden & Friedkin (1994).

Still unaddressed big questions in Public Network Management?

Getting past process modeling
Network models are often about process, not outcomes & effects
Dr. Rethemeyer’s work on policy networks is an example (as is Laumann & Knoke’s)
Can sometimes justify this step when process is an end in itself.
For instance, processual standards for democracy can be expressed in network terms.

Generic types of models
Main effects
Standard DV/IndV models – net variables on the right hand side as IndV
Example: public health researchers have found a correlation between density & health/happiness.
Example: innovation – high density ~ loss of flexibility, innovative output
Danger: Must make sure to distinguish structure and content of relation
Danger: May have problems using standard regression models – diffusion

Interactive effects
Network variables may moderate other effects – stress and well-being as modified by density
Sometimes bloc positional scores are used to moderate the main effects of a variable
Subject to the same dangers as main effects models

Spatial autocorrelation (diffusion modeling)
Uses the output of MDS or other social-to-cartesian space algorithms as an IndV
Has an autocorrelation (i.e., serial correlation) feature for which geospatial statisticians can correct
Example: deaths are correlated in geo- and social space – must correct for both components
Requires a weighting matrix to account for the dependencies among socially related actors
Idea: The sometimes the autocorrelation term is the social-structural component
Example: Ibarra/Andrews paper on social influence models

Break

Part III: Take-home Exam

Please review this exam very carefully RIGHT NOW. No questions will be answered after tonight class.
Exam due: in my e-mail box at 5:00 PM May 8, 2013.

Part IV: Open Discussion for Empirical Paper