2014-2015 ITV Course Schedule

Fall 2014:

"Multilevel Modeling"- Professor Rudolph
> Fridays: 12:00 pm to 2:00 pm Eastern Time, 11:00 am to 1:00pm Central Time
> Email: rudolph@uiuc.edu
> Course Syllabus

> Description: Social science data frequently have a hierarchical or multilevel structure. In survey research, for example, we collect individual-level data on each respondent. We may have information about respondents' party identification, race, education, and voting behavior. Depending on the design of the survey, these respondents can often be grouped into a larger unit such as a county, state, or nation. We may have data concerning the characteristics of these higher-order units such as racial diversity, income inequality, or type of government institutions. While multilevel data present great theoretical opportunities, they also pose some statistical challenges. Hierarchical linear models are designed to meet these challenges and enable the analyst to exploit multilevel data structures for theoretical gain.

> This course provides an introduction to the use of hierarchical or multilevel models. The purpose of the course is to introduce students to the basic principles and applications of hierarchical linear modeling in political science research. Topics covered include an introduction to multilevel analyses, random intercept models, random slope models, hypothesis testing, hierarchical models for limited dependent variables, model fitting, and three-level models.

Dates: September 12, 19 and 26, October 3, 17, 24 and 31. No class October 10.

Spring 2015:

"Introduction to Survey Sampling"- Professor Joanne Miller
> Fridays: 12:00 pm-2:00 pm Eastern Time, 11:00 am-1:00 pm Central Time
> Email: mille441@umn.edu

> Description: This 7-week course will introduce students to the basics of survey sampling and the practical application of various sampling methods, such as systematic, stratified and cluster sampling. We will also discuss address-based sampling and the challenges associated with cell phone and internet sampling. Finally, we will briefly discuss oversampling and survey weights. No previous background or experience with survey sampling is required.

Dates: January 23 and 30, February 6, 13, 20 and 27, March 3.