Panel Data Econometrics

Goal: The objective of the course is to review some of the main topics of panel data econometrics, which is increasingly important in many applied econometric studies. A broad range of applications are discussed and computation is emphasized.

Texts:


Other useful References:


Prerequisite: Econ 817

Course Requirement:

- Data analysis (‘RA Competition’)
- A paper (‘a mock proposal’)
- Presentation.

Course Outline:

1. Basic Review of Panel Data Methods: Estimation and Test of Hypotheses
   - Hsiao, Chapters 2-3
   - Arellano, Chapters 2, 3
   - Baltagi, Chapters 1-5

2. Dynamic Panel Data Models
3. Variable Coefficient Models
   - Hsiao, Chapter 6
4. Limited Dependent Variables, Selection Bias
   - Hsiao, Chapters 7-8
   - Baltagi, Chapter 11
5. Unbalanced Panel Data
   - Hsiao, Chapter 9
   - Baltagi, Chapter 9
6. Non Stationary Panels
   - Baltagi, Chapter 12

Readings:

1. Error Component Model: Some Examples

2. Simultaneous Equations with Error Components:

3. Fixed vs. Random: Mincer Wage Equation using PSID Data
4. Dynamic Panel Data Models:


5. Limited Dependent Variables Panel Data Models:
