1. Research design (approx 2-3 classes)

a) Heterogeneity and State dependence


b) Structural Estimation and Natural Experiments


***Would need to flesh this week out a little***

c) Econometric Analysis of Policy change


Selected readings from “Sources of Comparative Advantage” by Edward Leamer


2. **Panel data econometrics**
(Focus on what can be done and the questions that can be answered with panel data versus cross-section data).

This is a nice description of the work by James Heckman and Dan McFadden – two economists who won the Nobel Prize in 2000 for their pioneering work using micro panel data

a) **Research design, micro-data – Using micro panel data to answer macro questions**


b) **Research Design – Exogeneity, Fixed and Random Effects Models, Instrumental Variables (approx. 3-4 weeks)**


***More readings here from text books (e.g., Hsaio, Maddala, Baltagi) and articles! T.B.D. ***

3. **Other topics in Research Design (to be determined)**

a) Discrete Choice models for Cross –Section and Panel data

b) Event History Analysis and Hazard Models

c) Learning to look at data, exercises, statistical packages.