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EMPIRICAL STUDY AND FORECASTING (II), part 1

經大講堂

Friday 19:30-21:20

- Textbooks:
  - (**SW**) Stock and Watson (2003), *Introduction to Econometrics*, Addision Wesley.
- Other Reference:
  - (**W**) Wooldridge (2003), *Introductory Econometrics— A Modern Approach*, 2nd ed., South-Western College Publishing. MIT press.
- Classes:
  2006/2/24,
  3/3, 10, 17, 24, 31
  4/7, 14
  4/21, midterm.

- Grade: problem sets 10%, midterm 40%.

- Topics:

  1. Instrumental Variables Regression (**SW** 10)
     - General IV regression model
     - Checking instrument validity
     - Where do IV come from?
  2. Experiments and Quasi-Experiments (**SW** 11)
     - Difference-in-difference estimator
     - Quasi-experiments
     - Average treatment effect
  3. Time Series Regression and Forcasting (**SW** 12)
     - Autocorrelations.
     - Autoregressive Distributed Lag Models.
     - Lag Length Selection.
     - Testing for Model Stability.
  4. Estimation of Dynamic Causal Effects (**SW** 13)
     - Dynamic Causal Effects with Exogenous Regressors
     - Heteroskedasticity- and Autocorrelated- Consistent Standard Errors.
     - Orange Juice Prices and Cold Weather
     - Is Exogeneity Plausible?
  5. Additional Topics in Time-Series Regression (**SW** 14)
     - Vector Autoregression.
     - Orders of Integration and Another Unit Root Test.
     - Cointegration.
     - Conditional Heteroskedasticity.