

Conducting Empirical Legal Scholarship Workshop: The Advanced Course

Lee Epstein & Andrew D. Martin

February 4-6, 2011

Course Outline

Check-in begins at 10:00 AM on February 4, 2011, at the Northwestern University School of Law. All course materials, including this file, datasets, course materials to be distributed during the workshop, slides, and readings, will be posted here:

<http://adm.wustl.edu/courses/acels.php>

February 4, 11:00-5:00 [with lunch break and afternoon break]

1. Introduction to Inference
2. Linear Regression Review
3. Regression Diagnostics
4. In-Class Exercise on Linear Regression

February 5, 9:00-12:00 [with morning break]

1. Finishing Up Regression Diagnostics
2. Effectively Communicating Research Results I
3. Interactions
4. Logit, Probit, and Maximum Likelihood

February 5, 1:00-5:00 [with afternoon break]

1. Finishing Up Logit, Probit, and Maximum Likelihood
2. Effectively Communicating Research Results II
3. In-Class Exercise on Logit and Probit

4. A Tour of Cross-Sectional Models
5. Matching Methods for Causal Inference

February 6, 9:00-12:00 [with morning break]

1. Finishing Up Matching Methods for Causal Inference
2. Visualization
3. Questions and Wrap-Up

Course Readings

- Jeffrey A. Segal. 1984. “Predicting Supreme Court Cases Probabilistically: The Search and Seizure Cases (1962-1981).” *American Political Science Review*. 78: 891-900. [Logit and Probit]
- Lee Epstein, Andrew D. Martin, and Matthew M. Schneider. 2006. “On the Effective Communication of the Results of Empirical Studies, Part I.” *Vanderbilt University Law Review*. 59: 1811-1871. [Presenting Results]
- Boyd, Christina, Lee Epstein, Andrew D. Martin. 2010. “Untangling the Causal Effect of Sex on Judging.” *American Journal of Political Science*. 54: 389-411. [Matching]

Optional References

- John Fox. 1997. *Applied Regression Analysis, Linear Models, and Related Methods*. Thousand Oaks, CA: Sage. [Linear Regression]
- J. Scott Long and Jeremy Freese. 2005. *Regression Models for Categorical Dependent Variables Using Stata*, Second Edition. College Station, TX: Stata Press. [Logit, Probit, and Other Cross-Sectional Models]
- Lee Epstein, Andrew D. Martin, and Christina L. Boyd. 2007. “On the Effective Communication of the Results of Empirical Studies, Part II.” *Vanderbilt University Law Review*. 60: 801-846. [More on Presenting Results]
- Robert J. Friedrich. 1982. “In Defense of Multiplicative Terms in Multiple Regression Equations.” *American Journal of Political Science*. 26: 797-833.
- D. James Greiner. 2008. “Causal Inference in Civil Rights Litigation.” *Harvard Law Review*. 122: 533-598. [Causal Inference]
- Lee Epstein, Daniel E. Ho, Gary King, and Jeffrey A. Segal. 2005. “The Supreme Court During Crisis.” *NYU Law Review* 80: 1-116. [Matching]