

# CURTIS S. SIGNORINO

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## EDUCATION

- Ph.D., Political Science, Harvard University, 1998
  - A.M., Political Science, Harvard University, 1996
  - A.L.M., History, Harvard University, 1993
  - M.S., Operations Research & Statistics, Rensselaer Polytechnic Institute, 1990
  - B.S., Computer & Systems Engineering, Rensselaer Polytechnic Institute, 1988
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## GRANTS & AWARDS

- 2004. G. Graydon and Jane W. Curtis Award for Excellence in Teaching
  - 2004. Outstanding Teaching in Political Science. American Political Science Association.
  - National Science Foundation Research Grants
    - 2004. “The Statistical Analysis of Bargaining” (with Kris Ramsay). \$200,000.
    - 2002. “Discriminating Methods: Nonnested Tests for Strategic Choice Models” (with Kevin Clarke). \$175,000.
    - 1999. “Statistics Out on a Limb?: Strategic Interaction and the Statistical Analysis of International Conflict.” \$149,995.
  - 2000. Gosnell Prize for Best Paper in Political Methodology
  - 1998. Gosnell Prize Honorable Mention
  - 1996. Mellon Dissertation Research Grant
  - 1993–1996. Harvard Graduate School of Arts & Sciences Grant
  - 1995. Hoover Institute Summer Program in International Politics
  - 1993–1994. Atherton Fellow in International Relations, Harvard University
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## PUBLICATIONS

- “Statistical Backwards Induction: A Simple Method for Estimating Recursive Strategic Models” (forthcoming) with Muhammet Bas & Robert Walker. *Political Analysis*.
- “On Formal Theory and Statistical Methods: A Response to Carrubba, Yuen, & Zorn.” (forthcoming). *Political Analysis*.

- “A Unified Theory and Test of Extended Immediate Deterrence” (2006) with Ahmer Tarar. *American Journal of Political Science*. 50(July).
- “Structure and Uncertainty in Discrete Choice Models.” (2003) *Political Analysis*. 11(4).
- “Strategic Misspecification in Regression Models” (2003) with Kuzey Yilmaz. *American Journal of Political Science*. 47(3):551-566. Gosnell Prize 2000 for best paper in political methodology presented at a conference that year.
- “Strategy and Selection in International Relations.” (2002) *International Interactions*. March, 28:93–115.
- “Aggregation Among Binary, Count, and Duration Models: Estimating the Same Quantities from Different Levels of Data” (2001) with James E. Alt and Gary King. *Political Analysis*. 9(1):21-44.
- “Strategic Interaction and the Statistical Analysis of International Conflict.” (1999) *American Political Science Review*. 93(2):279-98. Gosnell Prize Honorable Mention 1998 for best paper in political methodology presented at a conference that year.
- “Tau-b or Not Tau-b: Measuring the Similarity of Foreign Policy Positions” (1999) with Jeffrey M. Ritter. *International Studies Quarterly*. 43(1):115-144.
- “International Cooperation under Uncertainty: The Effects of Symmetric and Asymmetric Noise.” (1996) *Journal of Conflict Resolution* 40(1):152–205.
- “The Generalization in the Generalized Event Count Model, with Comments on Achen, Amato, and Londregan” (1996) with Gary King. *Political Analysis* 6:225-252.
- “A Correction for an Underdispersed Event Count Probability Distribution” (1995) with Rainer Winkelmann & Gary King. *Political Analysis* 5:215–28.

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## WORK IN REVIEW OR IN PROGRESS

- “Discriminating Methods for Strategic Choice Models”  
With Kevin Clarke. Presented at the 2003 annual meetings of the American Political Science Association, the International Studies Association, the Midwest Political Science Association, and the Political Methodology Summer Conference.
- “A Statistical Model of the Divide-the-Dollar Game”  
With Kris Ramsay. Presented at the 2003 annual meetings of the American Political Science Association, the Midwest Political Science Association, the Political Methodology Summer Conference, as well as at the 2003 EITM Program (University of Michigan).
- “Back to the Future?: Modeling Time Dependence in Binary Data”  
With David Carter.

- “Knowing One’s Future Preferences: A Correlated Agent Model with Bayesian Updating”  
With Taehee Whang.
- “A User’s Guide to Selection in International Relations”  
With Muhammet Bas & Kevin Clarke.

## SOFTWARE DEVELOPMENT

- **STRAT**

STRAT is a stand-alone program that allows users to estimate regression models for a number of common extensive form games. The user may select whether model uncertainty is due to agent error or private information. The program includes options for graphing and interpreting results.

- **S**

Gauss procedure to calculate the policy position similarity measure in Signorino & Ritter (1999).

## EMPLOYMENT

- **Associate Professor** Jul 2004–Present  
Department of Political Science, University of Rochester, Rochester, NY
- **Assistant Professor** Jul 1998–Jun 2004  
Department of Political Science, University of Rochester, Rochester, NY
- **Instructor** Jul 1997–Jun 1998  
Department of Political Science, University of Rochester, Rochester, NY
- **Lecturer: Math for Political Scientists** Sep 1996, 1997  
Department of Government, Harvard University, Cambridge, MA
- **Project Manager: Theater Warfare Modeling & Simulation** Mar 1992–Sep 1993  
Adv. Plans & Programs: Modeling, Analysis, & Simulation Center, Hanscom AFB, MA
- **Project Manager: Computer & Network Security Engineering** Jul 1989–Feb 1992  
Air Force Intelligence Command, Operating Location MC, Hanscom AFB, MA

## COURSES TAUGHT

(G)raduate, (U)ndergraduate

### *Methods*

- Applied Data Analysis (U)
- Probability and Inference (G)
- Linear Models (G)
- Maximum Likelihood Estimation (G)

- Advanced Topics in Political Methodology (G)
- Math for Political Scientists (G)

*International Relations*

- Theories of International Relations (U)
- International Conflict History and Theory (G)
- Modeling International Conflict (G)

*Empirical Implications of Theoretical Models (EITM)*

- International Relations Week (with Jim Morrow), Michigan, Summer 2003
- Random Utility Models & Quantal Response Equilibrium, WashU, Summer 2005–2007

**DEPARTMENTAL AND UNIVERSITY SERVICE**

- Director, Theory and Statistics Research Lab (the star lab), 2004–present
- Director, Peter D. Watson Center for Conflict and Cooperation, 1999–2005
- Director of Graduate Placement, 2003–2006
- Cofounder of Department’s “Math Prefresher” for Incoming Graduate Students, 2000
- Cofounder and Co-coordinator of “Riker Seminar” Series, 1998–2000
- Chair of College’s Social Sciences Working Group, 2005–2006
- University Research Computing Committee, 2006
- College Faculty Council, 2000–2001, 2002–2003.
- Chair and Member of Departmental Job Search Committees, 1999–present
- Political Science Dissertation Advisor, 1999–present
- Economics Dissertation Advisor, 1999–2002

**REVIEWER FOR**

*American Journal of Political Science*  
*American Political Science Review*  
*European Union Politics*  
*International Organization*  
*International Security*  
*International Studies Quarterly*

*Journal of Conflict Resolution*  
*Journal of Politics*  
*National Science Foundation*  
*Political Analysis*  
*Political Research Quarterly*  
*World Politics*

**PROFESSIONAL ASSOCIATIONS & WORKING GROUPS**

- American Political Science Association, 1994–Present
- Midwest Political Science Association, 1994–Present

- International Studies Association, 1997–Present
  - Peace Science Society International, 1998–Present
  - American Statistical Association, 1997–Present
  - Econometric Society, 1997–Present
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## STUDENTS

- Muhammet Bas, Harvard
- Tim Carter, Wayne State
- Songying Fang, University of Minnesota
- Stephen Gent, University of North Carolina – Chapel Hill
- Gang Guo, University of Mississippi
- Tamar London, Penn State
- Elena Plaxina, Texas A&M
- Kris Ramsay, Princeton
- Branislav Slantchev, UC San Diego
- Ahmer Tarar, Texas A&M
- Robert Walker, Washington University – St. Louis
- Taehee Whang, Texas A&M
- Kuzey Yilmaz, Koc University (Economics)