

Matthew J. Baker

Hunter College

Department of Economics
1540 Hunter West
695 Park Avenue
New York, NY 10065

Phone: (212) 772-4217
Fax: (212) 772-5398
Email: matthew.baker@hunter.cuny.edu
Web: <http://econ.hunter.cuny.edu/people/economics-faculty/mbaker>
RePEc: <http://ideas.repec.org/e/pba114.html>
GitHub: <https://github.com/mbaker21231>

Education

B.A. Economics, Wesleyan University, 1993.

M.A. Economics, University of Connecticut, 1996.

Ph.D. Economics, University of Connecticut, 2000.

Dissertation: Three topics in the economics of hunter-gatherer and indigenous peoples

Advisor: Thomas Miceli.

Employment

Visiting Instructor, Department of Economics, Wesleyan University 1998-2000.

Assistant Professor, United States Naval Academy, 2000–2005.

Associate Professor, United States Naval Academy, 2005–2006.

Associate Professor, Hunter College and the Graduate Center, CUNY, 2006–Present.

Teaching and Research Fields

Research fields: Microeconomic Theory, Law and Economics, Industrial Organization, Economics of Organization, Economic Anthropology, Real Estate Economics

Current interests: Econometric applications of game theory, simulation-based estimation, spatial econometrics

Courses currently taught: Statistics, Law and economics, Ph. D. Microeconomic theory II (Graduate Center).

Publications

Journal Articles

Baker, Matthew and Ingmar Nyman. 2017. "Job Hoarding," *forthcoming in: Journal of Institutional and Theoretical Economics*.

Baker, Matthew. 2014. "Adaptive Markov chain Monte Carlo sampling and estimation in Mata," *Stata Journal*, 14(3): 623-61.

- Baker, Matthew, Metin Cosgel, and Thomas J. Miceli. 2012. "Debtors' prisons in America: An economic analysis," *Journal of Economic Behavior & Organization*, 84(1): 216-228.
- Baker, Matthew, Erwin Bulte, and Jacob Weisdorf, 2010. The origins of governments: from anarchy to hierarchy, *Journal of Institutional Economics* 6(2), 215-42.
- Baker, Matthew, and Lisa George, 2010. The role of television in household debt: evidence from the 1950's, *The B.E. Journal of Economic Analysis & Policy* 10(1) 41 pages. **Popular Press Coverage:** *New York Times* Economix blog, August 11, 2010. "TV Ads Work. Ask a Debtor," by Catherine Rampell
- Baker, Matthew, and Erwin Bulte, 2010. Kings and Vikings: on the dynamics of competitive agglomeration, *Economics of Governance* 11(3): 207-27.
- Baker, Matthew, and Brendan Cunningham, 2009. Law and Innovation in Copyright Industries. *Review of Economic Research on Copyright Issues* 6(1) 61-82.
- Baker, Matthew, 2008. A structural model of the transition to agriculture, *Journal of Economic Growth* 13(4) 257-92.
- Baker, Matthew, Thomas Miceli, and C.F. Sirmas, 2008. An economic theory of mortgage redemption laws, *Real Estate Economics* 36(1): 31-45.
- Baker, Matthew, and Joyce Jacobsen, 2007. A human-capital based theory of post-marital residence rules, *Journal of Law, Economics, & Organization* 23(1): 208-41.
- Baker, Matthew, and Joyce Jacobsen, 2007. Marriage, specialization, and the gender division of labor, *Journal of Labor Economics* 25: 763-93.
- Baker, Matthew, and Brendan Cunningham. 2005. Court decisions and equity markets: estimating the value of copyright protection, *Journal of Law and Economics* 49(2): 567-96.
- Baker, Matthew and Thomas Miceli, 2005. Land inheritance rules: theory and cross-cultural analysis, *Journal of Economic Behavior & Organization* 56(1): 77-102.
- Baker, Matthew and Thomas Miceli, 2005. Credible criminal enforcement. *European Journal of Law and Economics* 20(1): 5-15.
- Baker, Matthew and Thomas Miceli, 2004. The old ball game: the organization of 19th century professional base ball clubs, *Journal of Sports Economics* 5: 277-91.
- Baker, Matthew, 2003. An equilibrium conflict model of land tenure in hunter-gatherer societies, *Journal of Political Economy* 111(1): 124-73.
- Baker, Matthew, Thomas Miceli, C.F. Sirmans, and Geoffrey Turnbull, 2002. Optimal title search. *Journal of Legal Studies* 31(1): 139-58.
- Baker, Matthew, Thomas Miceli, C.F. Sirmans, and Geoffrey Turnbull, 2001. Property rights by squatting: land ownership risk and adverse possession statutes, *Land Economics* 77(3): 360-370.
- Baker, Matthew, Betsy Bradley, and William Gallo. 2001. Factors associated with home versus institutional death among Connecticut cancer patients, *Journal of the American Geriatrics Society* 49(6): 771-7.
- Baker, Matthew, and Thomas Miceli, 2000. Statutes of limitations for accident cases: theory and evidence, *Research in Law and Economics* 19: 47-67.

Under Review

Baker, Matthew and Lisa George. 2017. The News Hour: Welfare Estimation in the Market for Local TV News. *Revise and resubmit, Rand Journal of Economics*

Baker, Matthew. 2017. Was Civil War Surgery Effective? *Submitted, Historical Methods: A Journal of Quantitative and Interdisciplinary History*

(Unpublished) Working Papers

Baker, Matthew. 2014. Mata routines for solution of nonlinear systems using interval methods. 2014 Stata Conference 15.

Baker, Matthew, David Powell, and Travis Smith. 2014. Generalized quantile regression in Stata. 2014 Stata Conference 12.

Baker, Matthew, and Ingmar Nyman. 2009. Competitive pressure and lying in search markets. *Hunter College Department of Economics Working Papers 426*, Hunter College: Department of Economics.

Baker, Matthew, Christa Brunnschweiler, and Erwin Bulte. 2008. Did history breed inequality? Colonial factor endowments and modern income distribution. *CER-ETH Economics working paper series 08/86*, CER-ETH Center of Economic Research at ETH Zurich.

Baker, Matthew, and Pamela Schmitt. 2003. Mergers with quality differentiated products. *Department Working Papers 3*, United States Naval Academy Department of Economics.

Edited Volumes

Baker, Matthew and Thomas Miceli, eds. 2013. *Research Handbook on Economic Models of Law*. Cheltenham, UK and Northampton, MA, USA: Edward Elgar.

Baker, Matthew and Thomas Miceli, eds. 2014 (Expected) *Economic Models of Law*. Cheltenham, UK and Northampton, MA, USA: Edward Elgar.

Papers in Edited Volumes

Baker, Matthew and Niklas Westelius. 2013. Crime, expectations, and the deterrence hypothesis. In: *Research Handbook on Economic Models of Law*, M. Baker and T. Miceli, eds. Cheltenham, UK and Northampton, MA, USA: Edward Elgar, pp. 235-80.

Baker, Matthew and Thomas Miceli, 2013. Introduction. In: *Research Handbook on Economic Models of Law*, M. Baker and T. Miceli, eds. Cheltenham, UK and Northampton, MA, USA: Edward Elgar, pp. 1-13.

Baker, Matthew. 2015. Crime (Organized) and the Law. In: *Encyclopedia of Law and Economics*, Jürgen Backhaus, ed. New York: Springer. pp. 1-6.

Book Reviews

Baker, Matthew. 2002. Review of "A burning issue: a case for the abolition of the U.S. Forest Service" by Richard Nelson, in *Constitutional Political Economy* 13(3): 291-2.

Other

Baker, Matthew, David Powell, and Travis Smith. 2016. GENQREG: Stata module to perform Generalized Quantile Regression.

Baker, Matthew, David Powell, and Travis Smith. 2016. QREGPD: Stata module to perform Quantile Regression for Panel Data.

Baker, Matthew. 2015. BAYESMIXEDLOGITWTP: Stata module for Bayesian estimation of mixed logit model in willingness-to-pay (WTP) space.

Baker, Matthew. 2014. INTSOLVER: Stata/Mata package for finding all solutions to nonlinear systems. Software package for Stata.

Baker, Matthew. 2014. ROWMAT_UTILS: Stata/Mata package for performing computations on many small matrices in parallel. Software package for Stata.

Baker, Matthew. 2014. INT_UTILS: Stata/Mata package for interval computations. Software package for Stata.

Baker, Matthew. 2013. AMCMC: Stata/Mata package for adaptive Markov-Chain Monte Carlo. Software package for Stata.

Baker, Matthew. 2013. MCMCCQREG: Stata/Mata package for simulation-based estimation of censored quantile regression. Software package for Stata.

Baker, Matthew. 2013. BAYESMLOGIT: Stata/Mata package for simulation-based estimation of Bayesian multinomial logit. Software package for Stata.

Articles in Progress

A structural approach to Galton's problem with application to marriage and marital residence rules. Description: Galton's problem refers to the difficulty of separating the impact of borrowing, historical dependence, and environmental adaption in assessing predictors of cultural variety. I propose a simulation-based method for attacking this problem that begins with estimating distributions over past histories using current location and linguistic information. Then, a structural model is estimated in which, for given model parameters histories are simulated, and then the model is reestimated. I demonstrate how the model works using marriage rules, but the method is applicable more generally. Moreover, even though the data are static, the model allows one to simulate the underlying dynamics, lending insight into the speed and form of cultural evolution.

Bayesian projection of small area health outcomes Description: This research focuses on geographical mapping and projection of health data around the world. Specifically, in the project theory and practice of projecting small-area based on known aggregate data is developed. The project also incorporates economic theory to aid in best allocation of resources in combatting health problems around the world.

Maximum-likelihood estimation of share-form nested multinomial logit models (with Lisa George) This research develops an exact method for estimating the popular market share version of the nested multinomial logit model. It also points out some of the pitfalls with the commonly employed estimation procedure based on GMM.

Modelling the distribution of farm sizes (with Jonathan Conning) This research seeks to develop and improve methods for structural modeling of the distribution of farm sizes, based on unobserved distributions of underlying nontraded factors, such as skill in farming.

Professional Activities

Associate Editor, *Information Economics and Policy*, 2011–2016.

Editor, *New Papers in Evolutionary Economics (nep-evo)*, a web dissemination service for new papers appearing on RePEc. 2001–2015.

Professional Membership

American Economic Association

American Mathematical Association

Recent Presentations and Seminars

Hunter dept. of Applied Math (2016), CUNY Graduate Center (Fall 2015), Boston Stata users' group (Summer 2014), Hunter College (Spring 2007, Fall 2010, Fall 2012, Spring 2014), University of Connecticut (Fall 2010, Fall 2013), Wesleyan University (Fall 2009), Fordham University (Fall 2013), ASSA Meetings (Fall 2009), Namur University (Spring 2014), Conference on early economic developments (Simon Fraser University, Spring 2009), SUNY-Binghampton (Fall 2010).

Last updated: July 10, 2017