
Justin L. Tobias

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Positions Held

- **Purdue University** West Lafayette, IN
Professor of Economics 8/2008-Present
 - Economics Department Head (Since August 2013)
 - Economics Department Area Coordinator (August 2011-August 2013)
 - University Faculty Scholar (2009-2013)
- **Iowa State University** Ames, IA
Associate Professor of Economics 2004-2008
- **University of California-Irvine** Irvine, CA
Assistant/ Associate Professor of Economics (Tenured during 5th Year) 1999-2004
 - Director of Honors Program in Economics (2001-2004)
 - Member of Institute for Mathematical and Behavioral Sciences (2000-2004)

Education

- **University of Chicago** Chicago, IL
Ph.D. in Economics June 1999
 - Dissertation: *Three Essays on Bayesian Inference in Econometrics with an Application to Estimating the Return to Schooling Quality*
 - Committee: Jason Abrevaya, James Heckman, Arnold Zellner
 - Century Fellowship
- **Baldwin-Wallace College** Berea, OH
B.S. in Mathematics and Economics June 1994
 - Summa cum laude, Lubrizol Award in Mathematics, Charles and Elsie Little Prize in Mathematics, Jacob O. Kamm award in Economics, Pavsiek Award in Economics, Poporad Scholarship in Economics, Dr. Albert Gray Prize in Economics, Cotillion Society Scholarship, Outstanding Scholar Award, Ohio Board of Regents Scholarship.

Honors and Editorial Positions

- **Associate Editor**
 - Journal of the American Statistical Association* (Applications and Case Studies) 2011-2012
 - *Journal of Business and Economic Statistics* 2009-2012
 - Journal of Applied Econometrics* 2009- Present
 - Economics of Education Review* 2008-2009
- **Distinguished Author** As of 2009
 - *Journal of Applied Econometrics*
- **Early Achievement in Research Award, Iowa State University** 2008-2009
 - (1-3 Awards Made Each Year for the College of Liberal Arts and Sciences)

Honors and Editorial Positions, Continued

- **Co-organizer** As of 2012
Midwest Econometrics Group (MEG)
- **Midwest Econometrics Group Local Organizer, MEG Fellow** 2009
(Meetings Held at Purdue University)
- **The UC-Irvine Distinguished Assistant Professor Award for Teaching** 2003-2004
(1 Award Made Each Year for the Campus)
- **Editorial Board** 2002-Present
Journal of Modern Applied Statistical Methods

Book

- *Bayesian Econometric Methods* (with G. Koop and D.J. Poirier). Cambridge University Press, 2007.

Refereed Publications

1. "Priors and Posterior Computation in Linear Endogenous Variable Models with Imperfect Instruments" (with Josh Chan). *Journal of Applied Econometrics*, forthcoming.
2. "Bayesian Analysis of Treatment Effect Models" (with M. Li). To appear in *Bayesian Inference in the Social Sciences*.
3. "A Dose of Bayes to Treat Empirical Malaise: A Primer on the Use of Bayesian Methods in Health Economics" in *Encyclopedia of Health Economics: Health Econometrics*, T. Culyer ed., Elsevier, forthcoming.
4. "The Analysis of Vehicle Crash Injury-Severity Data: A Markov Switching Approach with Road-Segment Heterogeneity" (with Y. Xiong and F. Mannering) *Transportation Research Record Part B* 67, 109-128, 2014.
5. "Explaining Trends in Body Mass Index Using Demographic Counterfactuals" (with B. Kline). *Econometric Reviews*, 33, 172-196, 2014
6. "Bayesian Analysis of Payday Loans and their Regulation" (with M. Li and K. Mumford). *Journal of Econometrics* 171(2), 205-216, 2012.
7. "Controlling for Observed and Unobserved Site Characteristics in RUM Models of Recreation Demand" (with B. Abidoye and J. Herriges). *American Journal of Agricultural Economics*, 94 (5), 1070-1093, 2012
8. "Bayesian Inference in a Correlated Random Coefficients Model: Modeling Treatment Effect Heterogeneity and Heterogeneous Returns to Schooling" (with M. Li). *Journal of Econometrics*, 162 (2), 345-361, 2011.
9. "Confronting Prior Convictions: On Issues of Prior Sensitivity and Likelihood Robustness in Bayesian Analysis" (with H. Lopes), *Annual Review of Economics*, 3, 107-131, 2011.
10. "Bayesian Methods in Microeconometrics" (with M. Li). In: *The Oxford Handbook of Bayesian Econometrics*, J. Geweke, G. Koop and H. van Dijk eds., 221-292, 2011.
11. "What are the Consequences of Consequentiality?" (with J. Herriges, C. Kling and C-C Liu). *Journal of Environmental Economics and Management*, 59(1), 67-81, 2010

12. "Estimating Demand Systems when Outcomes are Correlated Counts" (with D. Phaneuf and J. Herriges) *Journal of Econometrics* 147(2), 275-281, 2008.
13. "Inter-Household Allocation and Consumption of WIC Approved Foods: A Bayesian Approach" (with A. Ishdorj and H. Jensen) in *Advances in Econometrics, Volume 23: Bayesian Microeconometrics* (Chib, Griffiths, Koop and Terrell, eds.) 157-182, 2008.
14. "Bayesian Analysis of Treatment Effects in an Ordered Potential Outcomes Model" (with M. Li) *Advances in Econometrics, Volume 21: Estimating and Evaluating Treatment Effects in Econometrics* (D. Millimet, J. Smith and E. Vytlacil, eds.), 2008.
15. "The Wages of BMI: Bayesian Analysis of a Skewed Treatment Response Model with Nonparametric Endogeneity" (with B. Kline), *Journal of Applied Econometrics*, 23(6), 767-793, 2008.
16. "Bayesian Inference for the Gravity Model" (with P. Ranjan) *Journal of Applied Econometrics* 22, 817-838, 2007.
17. "Bayesian Analysis of Structural Effects in an Ordered Equation System" (with M. Li) *Studies in Nonlinear Dynamics and Econometrics* 10(4), Article 7, 2006.
18. "Schools, School Quality and Achievement Growth: Evidence from the Philippines" (with M. Bacolod), *Economics of Education Review* 25(6), 619-632, 2006.
19. "Calculus Attainment and Grades Received in Intermediate Economic Theory" (with M. Li) *Journal of Applied Econometrics*, 21, 893-896, 2006.
20. "Semiparametric Bayesian Inference in Smooth Coefficient Models" (with G. Koop), *Journal of Econometrics*, 134, 283-315, 2006.
21. "Estimation, Learning and Parameters of Interest in a Multiple Outcome Selection Model" *Econometric Reviews*, 25(1), 1-40, 2006.
22. "Bayesian Econometrics" (with D.J. Poirier) *Palgrave Handbook of Econometrics, Volume 1: Econometric Theory*, (T.C. Mills and K. Patterson, eds.), 841-870, 2006.
23. "Bayesian Modeling of School Effects Using Hierarchical Models with Smoothing Priors" (with M. Li). *Studies in Nonlinear Dynamics and Econometrics*. 9(3), Article 4, 2005.
24. "Semiparametric Bayesian Inference in Multiple Equations Models" (with G. Koop and D.J. Poirier) *Journal of Applied Econometrics*, 20(6), 723-747, 2005.
25. "Learning About Heterogeneity in Returns to Schooling" (with G. Koop) *Journal of Applied Econometrics*, 19(7), 827-849, 2004.
26. "Assessing Assessments of School Performance: The Case of California" *The American Statistician* 58(1), 2004.
27. "Returns to Schooling and Bayesian Model Averaging: A Union of Two Literatures" (with M. Li) *Journal of Economic Surveys* 18(2), 153-180, 2004.
28. "Simple Estimators for Treatment Parameters in a Latent Variable Framework" (with J. Heckman and E. Vytlacil). *Review of Economics and Statistics* 85(3), 748-755, 2003.
29. "Do Dropouts Suffer from Dropping Out? Estimation and Prediction of Outcome Gains in Generalized Selection Models" (with M. Li and D. J. Poirier) *Journal of Applied Econometrics*, 19(2), 203-225, 2003.

30. "On the Predictive Distributions of Outcome Gains in the Presence of an Unidentified Parameter" (with D. J. Poirier) *Journal of Business and Economic Statistics* 21(2), 258-268, 2003.
31. "A Finite Sample Hierarchical Analysis of Wage Variation Across Public High Schools: Evidence from the NLSY and High School and Beyond" (with M. Li) *Journal of Applied Econometrics* 18, 315-336, 2003.
32. "Are Returns to Schooling Concentrated Among the Most Able? A Semiparametric Analysis of the Ability-Earnings Relationships" *Oxford Bulletin of Economics and Statistics* 61(1), 1-29, 2003.
33. "The Effects of Cognitive Ability and High School Quality on College Entry Decisions: Nonparametric Estimation of Parameters of Interest" *Applied Economics*, 35(2), 209-216, 2003.
34. "A Semiparametric Investigation of the School Quality-Earnings Relationship" (with M. Li) *Applied Economics Letters* 10(1), 43-46, 2003.
35. "Model Uncertainty and Race and Gender Heterogeneity in the College Entry Decision" *Economics of Education Review* 21(3), 211-219, 2002.
36. "Nonparametric Density and Regression Estimation" (with J. DiNardo). *Journal of Economic Perspectives* 15(4), 11-28, 2001.
37. "Further Results on Bayesian Method of Moments Analysis of the Multiple Regression Model" (with A. Zellner) *International Economic Review* 42(1), 121-139, 2001.
38. "Four Parameters of Interest in the Evaluation of Social Programs" (with J. Heckman and E. Vytlacil) *Southern Economic Journal* 68(2), 210-233, 2001.
39. "Forecasting Output Growth Rates and Median Output Growth Rates: A Hierarchical Bayesian Approach" *Journal of Forecasting* 20, 297-314, 2001.
40. "A Note on Aggregation, Disaggregation and Forecasting Performance" (with A. Zellner) *Journal of Forecasting* 19, 457-469, 2000. Reprinted in *The Structural Econometric Time Series Analysis Approach*, A. Zellner and F. Palm eds., 656-666, 2004.

Other Publications

1. "Discussion of 'Volatility in Agribusiness Oriented Asset Markets: Peeking Through a Bayesian Window'", *American Journal of Agricultural Economics*, 2010.
2. "On Inferring Effects of Binary Treatments with Unobserved Confounders: Comment" (with D.J. Poirier) *Bayesian Statistics* 7 82-83 ,2003.
3. "Further Results on Bayesian Method of Moments Analysis of the Multiple Regression Model (with A. Zellner) *1998 Proceedings of the Section on Bayesian Statistical Science of the American Statistical Association*
4. "Bayesian Method of Moments Analysis of Parametric and Semiparametric Regression Models" (with A. Zellner and H. Ryu) *1998 Proceedings of the Section on Bayesian Statistical Science of the American Statistical Association.*

Working Papers and Current Projects

1. "Bayesian Causal Variance Effects" (with J. Chan).

Invited Seminars

Baldwin-Wallace College	Case Western Reserve University	Claremont-McKenna College
Federal Reserve (St. Louis)	Indiana University	Iowa State University
Montana State University	Oberlin College	Oregon State University
Purdue University	Princeton University	Stanford University
Syracuse University	University of California-Berkeley	University of California-Davis
University of California-Irvine	UCLA	University of California-Riverside
University of Chicago	University of Connecticut	University of Maryland
University of Michigan	University of Missouri	University of Southern California
University of Toledo	University of Virginia	University of Western Ontario
University of Wisconsin-Milwaukee	Vanderbilt University	Washington University (Olin)
University of Illinois	University of Cincinnati	
Virginia Tech University	Duke University	
University of Texas-Austin	Michigan State University	

Refereeing

Advances in Econometrics	American Economic Review*
American Journal of Agricultural Economics	Applied Stochastic Models in Business and Industry
B.E. Journal of Economic Analysis and Policy	Contemporary Economic Policy*
Canadian Journal of Economics	Econometric Reviews*
Cambridge University Press	Econometric Theory*
Economics of Governance	Educational Evaluation and Policy Analysis
Empirical Economics	International Economic Review*
Journal of the American Statistical Association*	Journal of Applied Econometrics*
Journal of Applied Statistics	Journal of Business and Economic Statistics*
Journal of Development Economics*	Journal of Econometrics*
Journal of Economic Inequality	Journal of Human Resources*
Journal of Labor Economics*	Journal of Productivity Analysis
Journal of Regional Science*	Labour Economics*
National Science Foundation*	Pearson Addison-Wesley
Review of Economics and Statistics*	Scandinavian Journal of Economics
Springer Publishing	Statistica Neerlandica
Studies in Nonlinear Dynamics and Econometrics	Southern Economic Journal*
The Econometrics Journal*	TEST*
Journal of Urban Economics	Economics and Human Biology
Journal of the Royal Statistical Society	

(* denotes multiple reviews for the same journal or agency).