

Econometrics at UC Irvine

Although the econometrics group in the Department of Economics at UC Irvine is relatively small, it has produced and successfully placed a significant number of Ph.D. students specializing in econometrics and various applied fields. An important benefit to students has been the ability to generate publications prior to graduation, either in collaboration with faculty or through independent work under faculty guidance. Since 2003, 14 students have authored or co-authored 23 research articles published or accepted for publication prior to graduation. This has improved job market placement and has established a solid base for continued research excellence after graduation from UCI.

Students and publications are listed below. Many more articles that were based on research initiated at UCI but were accepted for publication after graduation are not included in this list, but can be found on the departmental website.

Students in the Department of Economics who have published econometrics articles prior to graduation (in alphabetical order):

1. Joshua Chi Chun Chan
2. Hao Audrey Fang
3. Jennifer Graves
4. Mark Kutzbach
5. Esther Hee Lee
6. Mingliang Li
7. Phillip Li
8. Rui Liu
9. Alicia Lloro
10. Arshad Rahman
11. Ashish Rajbhandari
12. Jeremy A. Verlinda
13. Angela Vossmeier
14. Guoxiong Zhang

Econometrics articles published or accepted for publication prior to the student's graduation (in reverse chronological order):

1. Vossmeier, A. (2015). "Sample Selection and Treatment Effect Estimation of Lender of Last Resort Policies," *Journal of Business & Economic Statistics*, forthcoming.
2. Vossmeier, A. (2014). "Treatment Effects and Informative Missingness with an Application to Bank Recapitalization Programs," *American Economic Review*, 104, 212-217.
3. Vossmeier, A. (2014). "Determining the Proper Specification for Endogenous Covariates in Discrete Data Settings," *Advances in Econometrics*, 34, 223–247.

4. Rahman, M. A. (2013). "Quantile regression using metaheuristic algorithms," *International Journal of Computational Economics and Econometrics*, 3, 205-233.
5. Zhang, G. (2012), "Bayesian Estimation of Exchange Rate Regime Choice with Spatial Effect," *Economics Letters*, 117, 3, 604-607.
6. Milani, F. and A. Rajbhandari (2012), "Expectation Formation and Monetary DSGE Models: Beyond the Rational Expectations Paradigm," *Advances in Econometrics*, Vol. 28.
7. Jeliaskov, I. and M. A. Rahman (2012), "Binary and Ordinal Data Analysis in Economics: Modeling and Estimation," in *Mathematical Modelling with Multidisciplinary Applications*, Xin-She Yang (Editor), 123-150. New York: Wiley.
8. Li, P. (2011), "Estimation of sample selection models with two selection mechanisms," *Computational Statistics & Data Analysis*, 55, 1099-1108.
9. Jeliaskov, I. and A. Lloro (2011), "Maximum Simulated Likelihood Estimation: Techniques and Applications in Economics," in *Computational Optimization, Methods and Algorithms*, X.-S. Yang and S. Koziel (eds.), 87-102, 2011. Springer.
10. Li, P. and M. A. Rahman (2011), "Bayesian Analysis of Multivariate Sample Selection Models Using Gaussian Copulas," *Advances in Econometrics: Missing Data Problems*, Vol. 27A.
11. Jeliaskov, I. and E. Lee (2010), "MCMC Perspectives on Simulated Likelihood Estimation," *Advances in Econometrics: Maximum Simulated Likelihood*, 26, 3-39.
12. Jeliaskov, I. and R. Liu (2010), "A Model-Based Ranking of U.S. Recessions," *Economics Bulletin*, 30, 3, 2289-2296.
13. Lee, E. H. (2009), "Review of Fluctuations in Land and Stock Prices in the Japanese Economy," *The Korean Journal of Economics*, 16, 95-122.
14. Fang, H. A. (2008), "A discrete-continuous model of households' vehicle choice and usage, with an application to the effects of residential density," *Transportation Research Part B: Methodological*, 42, 736-758.
15. Jeliaskov, I., J. Graves, and M. Kutzbach (2008), "Fitting and Comparison of Models for Multivariate Ordinal Outcomes," *Advances in Econometrics: Bayesian Econometrics*, 23, 115-156.
16. Verlinda, J. A. (2006), "A comparison of two common approaches for estimating marginal effects in binary choice models," *Applied Economics Letters*, 13, 77-80.

17. Chan, J. C. C. (2005), "Replication of the Results in 'Learning about Heterogeneity in Returns to Schooling'," *Journal of Applied Econometrics*, 20, 439-443.
18. Verlinda, J. A. (2005), "A Bayesian analysis of tree structure specification in nested logit models," *Economics Letters*, 87, 67-73.
19. Li, M., D. J. Poirier and J. L. Tobias (2004), "Do Dropouts Suffer from Dropping Out? Estimation and Prediction of Outcome Gains in Generalized Selection Models," *Journal of Applied Econometrics*, 19, 203-225.
20. Li, M. and J. L. Tobias (2004), "Returns to Schooling and Bayesian Model Averaging: A Union of Two Literatures," *Journal of Economic Surveys*, 18, 153-180.
21. Li, M. (2003), "A Model-Combined Estimator of Elasticity of Scale," *Applied Economics Letters*, 10, 119-122.
22. Li, M. and J. L. Tobias (2003), "A Finite-Sample Hierarchical Analysis of Wage Variation Across Public High Schools: Evidence from the NLSY and High School and Beyond," *Journal of Applied Econometrics*, 18, 315-336.
23. Li, M. and J. L. Tobias (2003), "A Semiparametric Investigation of the School Quality-Earnings Relationship," *Applied Economics Letters*, 10, 43-45.