

Drew D. Creal

Contact Information

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Education

Ph.D., Economics – 2007, **University of Washington**, Seattle, WA

M. A., Economics – 2004, **University of Washington**, Seattle, WA

B. S., Business Management – 1999, **Cornell University**, Ithaca, NY

Employment

7/2009 – present, *Assistant Professor of Econometrics and Statistics*, **Booth School of Business, The University of Chicago**.

2/2007 – 6/2009, *Post-doctoral Research Fellow*, Department of Econometrics and Operations Research, **Vrije Universiteit Amsterdam**.

Research Interests

Financial Econometrics, Time Series Econometrics, Bayesian Econometrics

Refereed Publications

Generalized Autoregressive Score Models with Applications (with Siem Jan Koopman and André Lucas), *Journal of Applied Econometrics*, forthcoming, 2012.

A Survey of Sequential Monte Carlo Methods for Economics and Finance, *Econometric Reviews*, Vol. 31, No. 3, pp. 245-296, 2012.

A Dynamic Multivariate Heavy-Tailed Model for Time-varying Volatilities and Correlations (with Siem Jan Koopman and André Lucas), *Journal of Business & Economic Statistics*, Vol. 29, No. 4, pp. 552-563, 2011.

Extracting a Robust U.S. Business Cycle using a Time-Varying Multivariate Model-Based Band-pass Filter, (with Siem Jan Koopman and Eric Zivot), *Journal of Applied Econometrics*, Vol. 25, No. 4, pp. 695-719, 2010.

Testing the Assumptions Behind Importance Sampling, (with Siem Jan Koopman and Neil Shephard), *Journal of Econometrics*, Vol. 149, No. 1, pp. 2-11, 2009.

The Relationship Between the Beveridge-Nelson Decomposition and Other Popular Permanent-Transitory Decompositions in Economics, (with Kum Hwa Oh and Eric Zivot), *Journal of Econometrics*, Vol. 146, No. 2, pp. 207-219, 2008.

Analysis of filtering and smoothing algorithms for Lévy-driven stochastic volatility models. *Computational Statistics and Data Analysis*, Vol. 52, pp. 2863-2876, 2008.

Invited Comments

Particle Markov chain Monte Carlo methods, by C. Andrieu, A. Doucet, and R. Holenstein. (with Siem Jan Koopman). *Journal of the Royal Statistical Society, Series B*, Vol. 72, No. 3, pp. 269-342, 2010.

Unpublished Papers

Observation Driven Mixed Measurement Dynamic Factor Models with an Application to Credit Risk, (with Bernd Schwaab, Siem Jan Koopman, and André Lucas), *submitted*.

Modeling Dynamic Volatilities under Skewness and Fat Tails, (with Xin Zhang, Siem Jan Koopman, and André Lucas), *submitted*.

Research in Progress

New Methods for Estimating Regression Effects in Nonlinear, Non-Gaussian Time Series Models (with Siem Jan Koopman and André Lucas)

The Multinational Advantage (with Leslie Robinson, Jonathan Rogers and Sarah Zechman)

Market-based Credit Ratings (with Ruey Tsay and Robert Gramacy)

Awards

- Langton Award for Outstanding Undergraduate Teaching, Department of Economics, University of Washington (2004-2005)
- Graduate Student Teaching Award, Department of Economics, University of Washington (2005-2006)
- Grover and Creta Ensley Fellowship in Economic Policy, Department of Economics, University of Washington (2006-2007)

Teaching Experience

- **Instructor:** University of Chicago, Booth School of Business
Business Statistics – MBA course (Winter 2010, Fall 2010, Fall 2011)
- **Instructor:** Vrije Universiteit Amsterdam
Computational Econometrics-Master's Course (Winter 2008, Winter 2009)
- **Instructor:** University of Washington
Intermediate Macroeconomics (Winter 2005, Summer 2005)
Introduction to Macroeconomics (Spring 2004, Summer 2004)

Professional Activities

Member: Econometric Society

Referee: *Annals of Applied Statistics, Computational Statistics & Data Analysis; Econometric Theory; International Regional Science Review; Journal of Applied Econometrics; Journal of Business and Economic Statistics; Journal of the American Statistical Association; Journal of Econometrics; Journal of Financial Econometrics; Journal of Macroeconomics; Journal of Money, Credit & Banking; Journal of Statistical Planning & Inference, Journal of Time Series Econometrics; Macroeconomic Dynamics.*