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Employment

Assistant Professor, University of California, Santa Cruz, Jul 2012 - Present.

Associate Director, Center for Analytical Finance, University of California, Santa Cruz, Oct 2017 - Present.

Economist, Federal Reserve Bank of Atlanta, Aug 2010 - Aug 2012.

Instructor, Duke University, Jun 2007 - Aug 2008, Summer 2010.

Education

Ph.D. in Economics, Duke University, December 2011.

M.S. in Statistics, University of Washington, June 2005.

B.S. in Economics, Duke University, May 2002.

Publications

1. Aldrich, Eric M. and Howard Kung (2019), “[Computational Methods for Production-Based Asset Pricing Models with Recursive Utility](#)”, *Studies in Nonlinear Dynamics and Econometrics*, forthcoming.
2. Aldrich, Eric M. and Kristian López Vargas (2019), “[Experiments in High Frequency Trading: Comparing Two Market Institutions](#)”, *Experimental Economics*, forthcoming. ([Online Appendices](#)).
3. Aldrich, Eric M., Kristian López Vargas and Hasan Ali Demirci (2019), “[An oTree-based Flexible Framework for Financial Market Experiments](#)”, *Journal of Behavioral and Experimental Finance*, forthcoming.
4. Aldrich, Eric M. and Seung Lee (2018), “[Relative Spread and Price Discovery](#)”, *Journal of Empirical Finance*, 48, pp. 81-98.
5. Aldrich, Eric M., Indra Heckenbach and Gregory Laughlin (2016), “[A Compound Duration Model for High-Frequency Asset Returns](#)”, *Journal of Empirical Finance*, 39(A), pp. 105-128.
6. Aldrich, Eric M. (2014), “[GPU Computing in Economics](#)”, *Handbook of Computational Economics*, Vol. 3, eds. Schmedders, Karl and Judd, Kenneth L., Amsterdam: North-Holland, chap. 10, pp. 557-598.

7. Aldrich, Eric M. and A. Ronald Gallant (2011), “[Habit, Long Run Risks, Prospect? A Statistical Inquiry.](#)”, *Journal of Financial Econometrics*, 9(4), pp. 589-618.
8. Aldrich, Eric M., Jesús Fernández-Villaverde, A. Ronald Gallant and Juan F. Rubio-Ramírez (2011), “[Tapping the Supercomputer Under Your Desk: Solving Dynamic Equilibrium Models with Graphics Processors](#)”, *Journal of Economic Dynamics and Control*, 35, pp. 386-393.
9. Gneiting, T., K. Larson, K. Westrick, M. G. Genton, and E. Aldrich (2006), “[Calibrated Probabilistic Forecasting at the Stateline Wind Energy Center: The Regime-Switching Space-Time Method](#)”, *Journal of the American Statistical Association*, 101, 968-979.
10. Aldrich, Eric M., Peter Arcidiacono, and Jacob L. Vigdor (2005), “[Do People Value Racial Diversity? Evidence From Nielsen Ratings](#)”, *The B.E. Journal of Economic Analysis & Policy*: 5(1), pp. 1-22.

Working Papers

1. Aldrich, Eric M. and Daniel Friedman (2018), “[Order Protection through Delayed Messaging](#)”, Working Paper.
2. Aldrich, Eric M., Joseph A. Grundfest and Gregory Laughlin (2017), “[The Flash Crash: A New Deconstruction](#)”, Working Paper.
3. Aldrich, Eric M. (2013), “[Trading Volume in General Equilibrium with Complete Markets](#)”, Working paper, Department of Economics, Duke University, Durham, NC.
4. Aldrich, Eric M. (2005), “[Alternative Estimators of Wavelet Variance](#)”, Master’s Thesis, Department of Statistics, University of Washington, Seattle, WA.
5. Handcock, Mark S. and Eric M. Aldrich (2002), “[Applying Relative Distribution Methods in R](#)”, Working Paper no. 27, Center for Statistics and the Social Sciences, University of Washington.

Awards

Gerald P. Dwyer Prize, Society for Nonlinear Dynamics and Econometrics, Mar 2011.

- Awarded top paper in Finance for “Computational Methods for Production-Based Asset Pricing Models with Recursive Utility”.

Alix Family Graduate Fellowship, Duke University, Summer 2009.

2009 Student Travel Award, Business and Economic Statistics Section, American Statistical Association, Aug 2009.

Hubert M. Blalock Fellowship, Center for Statistics and the Social Sciences, University of Washington, Sep 2002 - Jun 2003.

Conference & Seminar Presentations

2018: 11th Annual Meeting of the Society for Financial Econometrics (Lugano, Switzerland).

2017: Penn State Economics, Michigan State Economics, Society for Nonlinear Dynamics and Econometrics (Paris, France), Marstrand Finance Conference (Marstrand, Sweden), Society for Experimental Finance (Nice, France), 70th European Meeting of the Econometric Society (Lisbon, Portugal), Bank of England, Conference on Market Design and Regulation in the Presence of High-Frequency Trading (Hong Kong, China).

2016: Federal Reserve Bank of Atlanta, Stanford Economics, UCSC Applied Math and Statistics, European University Institute, UCSC Economics, Society for Experimental Finance (Tucson, AZ).

2015: Federal Reserve Bank of Kansas City, UCSC Applied Math and Statistics, Commodity Futures Trade Commission, CREATES (University of Aarhus), 8th CSDA Conference on Computational and Financial Econometrics (London, U.K.).

2014: Stanford, Federal Reserve Bank of San Francisco, Cal Poly Finance, BYU, 8th CSDA Conference on Computational and Financial Econometrics (Pisa, Italy).

2013: International Monetary Fund, Hoover Institute, UCSC Applied Math and Statistics, BYU Macrolab, Cal Poly Finance.

2012: Federal Reserve Board of Governors, BYU Economics, BYU Finance, BlackRock, UC Santa Cruz Economics, Cal Poly Finance, Compass Lexecon, University of Washington Finance, Fundação Getulio Vargas (São Paulo), Research Affiliates, Johns Hopkins University Economics, 6th CSDA Conference on Computational and Financial Econometrics (Oviedo, Spain), Initiative for Computational Economics (University of Chicago), Society for Economic Dynamics Annual Meeting (Limassol, Cyprus), 18th International Conference on Computing in Economics and Finance (Prague, Czech Republic), 20th Symposium of the Society for Nonlinear Dynamics and Econometrics, Istanbul Bilgi University (Istanbul, Turkey).

2011: Zurich Initiative for Computational Economics (University of Zurich), Initiative for Computational Economics (University of Chicago), 19th Symposium of the Society for Nonlinear Dynamics and Econometrics (George Washington University).

2009: Joint Statistical Meetings (Washington, D.C.), 14th International Conference on Computing in Economics and Finance (University of Sorbonne).