Leland Edward Farmer

Department of Economics
University of Virginia

Contact Information | **Department Address**

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Department of Economics
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Citizenship

- American, British, and Canadian

Employment

- Assistant Professor of Economics - Department of Economics, University of Virginia, August 2017 - present

Education

- Ph.D. Economics - University of California, San Diego, 2017
  Dissertation Title: Discrete Methods for the Estimation of Nonlinear Economic Models
  Dissertation Committee Co-Chairs: James D. Hamilton, Allan Timmermann

- B.S. Mathematical and Computational Science, with Honors - Stanford University
  Minor in Economics, 2011

Research Fields

Primary Fields: Macroeconomics, Finance

Secondary Fields: Econometrics, Computational Economics

Refereed Publications

- "Discretizing Nonlinear, Non-Gaussian Markov Processes with Exact Conditional Moments," with Alexis Akira Toda, ***Quantitative Economics****,* July 2017.

Working Papers

- "The Discretization Filter: A Simple Way to Estimate Nonlinear State Space Models." **Revision requested at *Quantitative Economics***.

- “Pockets of Predictability,” with Lawrence Schmidt and Allan Timmermann. **Submitted**.

RESEARCH IN PROGRESS

- "Estimating High-Dimensional State Space Models."
- "Learning about the Long Run," with Emi Nakamura and Jón Steinsson.
- "National Debt and Economic Welfare," with Roger E. A. Farmer
- "What Does the Market Think?," with Daniel Murphy and Kieran Walsh.

SEMINAR AND CONFERENCE PRESENTATIONS

- **2020 (including scheduled):** Cornell University; Federal Reserve Bank of Kansas City; National University of Singapore; Vanderbilt University
- **2019:** UC Berkeley; University of Warwick; Federal Reserve Bank of St. Louis Applied Time Series Econometrics Workshop
- **2018:** University of Pennsylvania; University of Virginia Darden School of Business; Boston University; NC State University; Federal Reserve Bank of New York; Southern Economic Association Conference (Washington D.C.); 14th Annual Dynare Conference (European Central Bank); Becker Friedman MFM Summer Session for Young Scholars (Cape Cod); Federal Reserve Bank of Richmond - UVA Jamboree (University of Virginia)
- **2017:** Duke University; Federal Reserve Bank of Richmond; University of Western Ontario; University of Virginia; Stanford Graduate School of Business; UC Santa Cruz; Federal Reserve Bank of Atlanta; Bank of Canada; UC San Diego Rady School of Management; Triangle Econometrics Conference (Duke University); INFORMS Annual Meeting (Houston); NBER-NSF Time Series Conference (Northwestern Kellogg School of Management); NBER Summer Institute - Forecasting & Empirical Methods; 23rd International Conference on Computing in Economics and Finance (Fordham University)
- **2016:** NBER-NSF Time Series Conference (Columbia University); NBER Workshop on Methods and Applications for DSGE Models (Federal Reserve Bank of Chicago); EconCon (Princeton); 22nd International Conference on Computing in Economics and Finance (Bordeaux); Becker Friedman MFM Summer Session for Young Scholars (Cape Cod)
- **2015:** California Econometrics Conference (University of Southern California)
- **2014:** SoFiE Financial Econometrics Summer School (Harvard University)

DISCUSSIONS

- **2019:** "Anchored Inflation Expectations" by Carlos Carvalho, Stefano Eusepi, Emmanuel Moench, and Bruce Preston, at New Approaches to Modeling Expectations in Economics (Bank of England)

PROFESSIONAL ACTIVITIES

ACADEMIC REFEREEING

American Economic Review; B.E. Journal of Macroeconomics; Economic Journal, Econometric Reviews; IEEE Transactions on Signal Processing; International Economic Review; International Journal of Forecasting; Journal of Applied Econometrics; Journal of Banking and Finance; Journal of Business and Economic Statistics; Journal of Econometric Methods; Journal of Economic Dynamics and Control; Review of Economics and Statistics

CONFERENCE ORGANIZATION

- **2020:** Annual Conference of the IAAE (London), Member of the Program Committee
- **2019:** Annual Conference of IAAE (Cyprus), Member of the Program Committee
- **2018:** UCSB-LAEF Financing Macroeconomics, UCSB-LAEF Finance Conference, Co-organizer with Zachary Bethune and Eric Young

DEPARTMENTAL SERVICE

- **Graduate Program Committee**, University of Virginia, 2018-present

TEACHING

- **Ph.D. Courses**
  - Time Series Econometrics, University of Virginia, 2019-2020
  - Macroeconomics Qualifying Exam Tutor, UC San Diego, 2013-2015
- **Undergraduate Courses**
  - Introduction to Econometrics, University of Virginia, 2017-2020

HONORS, SCHOLARSHIPS, AND FELLOWSHIPS

- **2018:** Becker Friedman Institute Macro-Financial Modeling Summer Session for Young Scholars (Cape Cod)
- **2016:** Becker Friedman Institute Macro-Financial Modeling Summer Session for Young Scholars (Cape Cod), UCSD Travel Grant
- **2015:** UCSD Clive Granger Research Fellowship
- **2014:** Society for Financial Econometrics (SoFiE) Summer School (Harvard University), UCSD Travel Grant, UCSD CPhil Fellowship
- **2013:** UCSD Graduate Summer Research Fellowship

- **2012:** UCSD Graduate Summer Research Fellowship
- **2011:** Stanford University Mathematical and Computational Science Departmental Honors

PROGRAMMING EXPERIENCE

MATLAB; Julia; Stata; Java; C; C++; Excel

LANGUAGES

- English (native)
- French (fluent)
- Spanish (intermediate)