

GRAY CALHOUN

Curriculum Vitae, March 1, 2016

CONTACT INFORMATION

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EDUCATION

2009 PhD Economics. University of California, San Diego
Dissertation title: *Limit theory for overfit models*
2006 MS Statistics. University of California, San Diego
2001 BA Mathematics. Tufts University

ACADEMIC POSITIONS

2009–present Assistant Professor of Economics, Iowa State University

PUBLICATIONS

Refereed journal articles

Hypothesis testing for linear regression when k/n is large. *Journal of Econometrics*, 165(2):163–174, 2011

Manuscripts in submission

Improved stepdown methods for asymptotic control of generalized error rates, April 2015. Revise and resubmit at *Journal of Econometrics*

An asymptotically normal out-of-sample test based on mixed estimation windows, January 2015. Revise and resubmit at *Econometrica*

Block bootstrap consistency under weak assumptions, December 2015. Iowa State University Economics Department Working Paper 11017. Revise and resubmit at *Econometric Theory*

Out-of-sample comparisons of overfit models, March 2014. Iowa State University Economics Department Working Paper 11002. Revise and resubmit at *Quantitative Economics*

Bootstrap Confidence Intervals for Sharp Regression Discontinuity Designs with the Uniform Kernel (with Otávio Bartalotti and Yang He), March 2016. Submitted to *Advances in Econometrics*

Other unpublished manuscripts

A graphical analysis of causality in the Reinhart-Rogoff dataset, July 2015. Iowa State University Economics Department Working Paper #15014

A simple block bootstrap for asymptotically normal out-of-sample test statistics, April 2015

Graphing better Impulse Response Functions for discrete-time linear models (with Seth Pruitt), March 2015

HONORS AND AWARDS

2006 Walter P. Heller Award for Outstanding Third-Year Paper, UCSD Economics Department

GRANTS AND FELLOWSHIPS

2015 NSF 1541790, “FEW: Coupling Economic Models with Agronomic, Hydrologic, and Bioenergy Models for Sustainable Food, Energy, and Water Systems,” Co-PI with Catherine Kling, Raymond Arritt, and David Keiser (\$45,922)

2012 Iowa State University Strategic Initiative, “Graphical Processing Units (GPU) for Parallel Computing,” with Helle Bunzel, Jarad Niemi, and Mervyn Marasinghe (\$87,727.39)

EXTERNAL PRESENTATIONS

Invited seminars

2015 University of Montreal Economics Department

Invited conference presentations

2015 CIREQ Montreal Econometrics Conference

Other presentations

2015 Annual Meetings of the Midwest Econometrics Group; NSF workshop, “Coupling Economic Models with Agronomic, Hydrologic, and Bioenergy Models for Sustainable Food, Energy, and Water Systems” (panelist)

- 2014 NBER Summer Institute (Forecasting & Empirical Methods in Macro & Finance); Joint Statistical Meetings
- 2013 NBER-NSF Time Series Conference (poster session); Annual Meetings of the Midwest Econometrics Group
- 2012 First Conference of the International Society for Non-Parametric Statistics
- 2011 NBER-NSF Time Series Conference; Annual Meetings of the Midwest Econometrics Group
- 2010 Annual Meetings of the Midwest Econometrics Group; Joint Statistical Meetings; International Symposium on Forecasting; Midwest Economics Association Annual Meetings
- 2009 Federal Deposit Insurance Corporation; Iowa State University Economics Department; Federal Reserve Bank of Kansas City; Wayne State University Economics Department

TEACHING EXPERIENCE

Courses taught

- 2011-present PhD Macroeconometrics
- 2010-present Principles of Macroeconomics
- 2009-present PhD Econometrics 1
- 2009. Undergraduate Econometrics 3 (taught at UCSD)

Graduate student advisor, students listed with year of graduation

- Current student: Kevin Duncan, PhD Economics
- 2015 Matt Simpson, PhD Economics and Statistics. Co-advisor with Jarad Niemi. Placement: Post-Doctoral Researcher in Statistics at University of Missouri
- 2015 Anwen Yin, PhD Economics. Co-advisor with Helle Bunzel. Placement: Assistant Professor of Economics at Texas A&M International University

Graduate student committee member, students listed with year of graduation

- Current students: Yang He, PhD Economics; Zabid Iqbal, PhD Economics Ziran Li, PhD Economics; Zachary Martin, PhD Economics; Soumnyadip Roy, PhD Economics; Carson Sievert, PhD Statistics; Samantha Tyner, PhD Statistics
- 2015 Matthew Clancy, PhD Economics; Sam Helmich, MS Statistics; Deung-Yong Heo, PhD Economics Xiying Liu, PhD Economics; Jessica Short, MS Statistics
- 2013 Yihui Xie, PhD Statistics; Nathan Zimmerman, MS Statistics
- 2012 Jeremiah Richey, PhD Economics
- 2010 Ozgu Serttas, PhD Economics

PROFESSIONAL SERVICE

Conference organization

2015 NSF workshop, “Coupling Economic Models with Agronomic, Hydrologic, and Bioenergy Models for Sustainable Food, Energy, and Water Systems.” Ames, Iowa, 10/12–10/13. Organizing committee

Journal and handbook referee

American Journal of Agricultural Economics; Bernoulli; Communications in Statistics — Theory and Methods; Computational Statistics and Data Analysis; Econometrica; Economics Bulletin; Handbook of Economic Forecasting, volume 2; International Journal of Forecasting; Journal of Business & Economic Statistics; Journal of Money, Credit & Banking; Manchester School

University committees at Iowa State

2014–present Faculty Representative Assembly Executive Committee
2013–present Faculty Representative Assembly

Departmental committees at Iowa State

2015–present Seminar Committee
2014–2015 Agricultural Economist Hiring Committee
2013–2014 Environmental and Resource Economist Hiring Committee
2012–2013 Computer Support Staff Hiring Committee
2009–2013 Graduate Student Admissions Committee
2009–2014 Computer Committee

Professional membership

American Economic Association, American Statistical Association, Econometric Society, Institute of Mathematical Statistics