

GRAY CALHOUN

Curriculum Vitae, July 28, 2015

CONTACT INFORMATION

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| 467 Hedy Hall | Office | 515-294-6271 |
| Economics Department | Mobile | 858-361-4248 |
| Iowa State University | Email | gcalhoun@iastate.edu |
| Ames, IA 50011 | Website | http://gray.clhn.org |

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, October 2014. 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*

Other unpublished manuscripts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 Cathy 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

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

- 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: Samantha Tyner, PhD Statistics; Carson Sievert, PhD Statistics; Yang He, PhD Economics; Ziran Li, PhD Economics; Soumnyadip Roy, PhD Economics; Zabid Iqbal, PhD Economics
- 2015 Xiying Liu, PhD Economics; Jessica Short, MS Statistics; Matthew Clancy, PhD Economics; Sam Helmich, MS Statistics; Deung-Yong Heo, PhD Economics
- 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

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, Midwest Economics Association