

# GRAY CALHOUN

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## EDUCATION

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**University of California, San Diego** 2003 to 2009

PhD in Economics, 2009

MS in Statistics, 2006

- Thesis title: *Limit theory for overfit models*
- Advisors: Graham Elliott and Allan Timmermann

**Tufts University** 1997 to 2001

BA in Mathematics, 2001

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## ACADEMIC POSITIONS

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**Iowa State University** 2009 to present

*Assistant Professor of Economics*

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## GRANTS AND AWARDS

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- Iowa State University Strategic Initiative, "Graphical Processing Units (GPU) for Parallel Computing," with Helle Bunzel, Jarad Niemi, and Mervyn Marasinghe, 2012. (\$87,727.39)
- Walter P. Heller Award for Outstanding Third-Year Paper, UCSD Economics Department, 2006

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## PUBLICATIONS

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

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## WORKING PAPERS

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- Out-of-sample comparisons of overfit models. Working Paper 11002, Iowa State University, 2014 (submitted to *Quantitative Economics*)
- Block bootstrap consistency under weak assumptions. Working Paper 11017, Iowa State University, 2014 (3rd revise and resubmit, *Econometric Theory*)
- An asymptotically normal out-of-sample test based on mixed estimation windows. 2015 (revise and resubmit, *Econometrica*)
- Improved stepdown methods for asymptotic control of generalized error rates. 2014 (revise and resubmit, *Journal of Econometrics*)
- Causality in the Reinhart-Rogoff dataset, the plots thicken. 2015 (submitted to *Economic Letters*)
- Graphing better Impulse Response Functions for discrete-time linear models. 2015 (joint with Seth Pruitt)
- A simple block bootstrap for asymptotically normal out-of-sample test statistics. 2015

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## EXTERNAL PRESENTATIONS

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- 2015 University of Montreal; CIREQ Econometrics Conference (planned)
- 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; Federal Reserve Bank of Kansas City; Wayne State University.

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## TEACHING

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- PhD Macroeconometrics 2011 to present
- PhD Econometrics 1 2009 to present
- Principles of Macroeconomics 2010 to present
- Undergraduate Econometrics 3 (UCSD) Spring 2009

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## GRADUATE STUDENT ADVISING

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### PhD students, Major Professor

- Anwen Yin, PhD Economics 2015 (planned)  
Co-advisor with Helle Bunzel  
Placement: Assistant Prof. of Economics at Texas A&M International University
- Matt Simpson, PhD Economics and Statistics 2015 (planned)  
Co-advisor with Jarad Niemi  
Placement: Postdoc in Statistics at University of Missouri

### Graduate student committee membership

- Samantha Tyner, PhD Statistics current student
- Carson Sievert, PhD Statistics
- Yang He, PhD Economics
- Ziran Li, PhD Economics
- Soumnyadip Roy, PhD Economics
- Zabid Iqbal, PhD Economics
- Jessica Short, MS Statistics 2015 (planned)
- Sam Helmich, MS Statistics
- Xiying Liu, PhD Economics
- Matthew Clancy, PhD Economics
- Deung-Yong Heo, PhD Economics
- Yihui Xie, PhD Statistics 2013
- Nathan Zimmerman, MS Statistics
- Jeremiah Richey, PhD Economics 2012
- Ozgu Serttas, PhD Economics 2010

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## PROFESSIONAL SERVICE

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### 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, International Journal of Forecasting, Journal of Business & Economic Statistics, Manchester School*

### University committees at Iowa State

- Faculty Representative Assembly Executive Committee 2014 to present
- Faculty Representative Assembly 2013 to present

### Departmental committees at Iowa State

- Agricultural economist hiring 2014 to 2015
- Environmental and resource economist hiring 2013 to 2014
- Computer support staff hiring 2012 to 2013
- Graduate Student Admissions 2009 to 2013
- Computer Committee 2009 to 2014

### Professional membership

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