

# Brian R. Gaines

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<http://brgaines.github.io>

## EDUCATION

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### **North Carolina State University**, Raleigh, NC

*Doctor of Philosophy, Statistics*

May 2016 (Expected)

*Master of Statistics, Mathematical Statistics Concentration*

August 2014

- GPA: 3.8/4.0
- Passed qualifier at PhD level
- Passed PhD prelim exam

### **Virginia Commonwealth University**, Richmond, VA

*Non-degree seeking*

August 2007 - May 2011

- GPA: 4.0/4.0
- Completed nine math courses

### **Indiana University**, Bloomington, IN

*Bachelor of Arts (High Distinction), Economics & Political Science*

May 2007

- GPA: 3.9/4.0
- Phi Beta Kappa

## ACADEMIC EXPERIENCE

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### **North Carolina State University**, Raleigh, NC

*Lecturer, ST311*

May 2014 – August 2014

*Teaching Assistant*

August 2011 – May 2014

- ST512 – Experimental Statistics For Biological Sciences II
- ST372 – Introduction to Statistical Inference and Regression
- ST311 – Introduction to Statistics
- ST350 – Economics & Business Statistics

### **University of Richmond**, Richmond, VA

*Guest Lecturer, ECON 200 – Money & Banking*

January 2011

## WORK EXPERIENCE

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### **NC State University College of Veterinary Medicine**, Raleigh, NC

*Statistical Consultant*

August 2014 – Present

- Employ various statistical methods to answer research questions
- Experimental design, power analyses, and applied statistical modeling

### **Federal Reserve Bank of Richmond**, Richmond, VA

*Research Associate (Research)*

July 2010 - August 2011

- Supplied research assistance to staff economists
- Aided in preparation of memos for pre-FOMC meetings

*Research Associate (National Economic Conditions)*

July 2007 - July 2010

- Briefed economists on recent macroeconomic data
- Provided research support for President Jeffrey Lacker

**U.S. Congressman Mike Pence**, Washington, D.C.

*Intern*

June 2006 - July 2006

- Conducted tours of the U.S. Capitol for constituents
- Processed constituent mail

PROFESSIONAL ACTIVITIES & SERVICE

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**NCSU Statistical Learning Group (SLG)**, Raleigh, NC

*Organizer*

July 2014 - Present

**Department Graduate Student Association (GSA)**, Raleigh, NC

*President*

May 2013 - May 2014

*Member, Beach Trip Committee*

June 2013 - September 2013

**Statistics in the Community (STATCOM)**, Raleigh, NC

*Member, Executive Committee*

November 2012 - Nov. 2013

**NC State University Statistics Department**, Raleigh, NC

*Stat Buddy Mentor*

June 2012 - May 2013

PUBLICATIONS

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Jarque, A., and **Gaines, B.** (2013). "Regulation and the Composition of CEO Pay." *Federal Reserve Bank of Richmond Economic Quarterly*, 98(4), 309-348.

AWARDS

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Gertrude M. Cox Achievement Award (best prelim exam)

April 2014

Department Outstanding Teaching Assistant

April 2014

University GSA Outstanding Teaching Assistant

March 2014

Elected to Mu Sigma Rho (statistics honor society)

March 2013

STEM Supplemental Fellowship

August 2011 - May 2012

RESEARCH INTERESTS

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Machine learning, big and high-dimensional data, computational statistics, Bayesian methods

PROGRAMMING EXPERIENCE

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R, MATLAB, SAS, Stata, WinBUGS