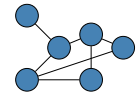
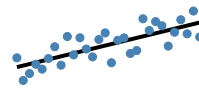


# Ben Southgate



## Contact

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Github := github.com/bsouthga

Blog := bensouthgate.com

## Education

### Carleton College 2009-2013

- B.A., major in economics (*magna cum laude*)
- Received distinction in major and senior thesis from economics department.
- Coursework: Data Mining, Data Structures, Econometrics, Linear Algebra, Multi-variable Calculus

### George Washington University 2014-present

- Grad. Cert. Mathematics (expected 2015)
- Coursework: Mathematical Statistics, Real Analysis

## Research Experience

### Research Assistant 2013-Present

The Urban Institute - Washington, DC

- Quantitative research on retirement security and the welfare of older Americans
- Stata and SAS for survival analysis, group decomposition, (non) linear regression, and graphics generation
- Python for microsimulation, data cleaning and structure manipulation, and task automation, JavaScript for interactive data visualization development.

### Research Assistant 2012

University of Texas - Austin, TX

- Conducted primary research utilizing U.T. Austin freshman applicant data, resulting in a working paper entitled "Race as a Consideration in the Creation of a Freshman Class: The University of Texas Case" (co-author)
- Stata programming for various regression and descriptive analyses, as well as graphics generation

## Other Academic Experience

### Teaching Assistant 2012-2013

Carleton College - Northfield, MN

- Junior / Senior level Macroeconomic Theory Course (ECON 331), which included Growth Modeling, Dynamic Optimization, Interest Rate Targeting, and RBC Analysis
- Ran review sessions, developed graphical and mathematical review material in  $\text{\LaTeX}$ , and conducted individual tutoring sessions

## Selected Publications

### Independent Journals

- Benjamin G. Southgate. "LOOP and the Internet Marketplace", *Michigan Journal of Business*, Volume 7 issue 2 (*forthcoming*)

### The Urban Institute

- Richard W. Johnson, Benjamin G. Southgate. "How Will State and County Government Employees Fare under Kentucky's New Cash Balance Pension Plan?", April 30, 2014
- Richard W. Johnson, Barbara Butrica, Owen Haaga, Benjamin G. Southgate. "When Do State and Local Pension Plans Encourage Workers to Retire?", April 30, 2014
- Richard W. Johnson, Barbara Butrica, Owen Haaga, Benjamin G. Southgate. "How Long Must State and Local Employees Work to Accumulate Pension Benefits?", April 30, 2014

## Programming Experience

<b>Python</b>	3 years - Pandas / Web Scraping / DTW
<b>Stata</b>	3 years - Regression Analysis / Decomposition
<b><math>\text{\LaTeX}</math></b>	3 years - Sweave / Stata Weaving
<b>R</b>	2 years - Regression Analysis / Data Mining
<b>Java</b>	2 years - Data Mining / Academic Exp.
<b>SAS</b>	1.5 years - Extensive Macro Programming
<b>JavaScript</b>	1 year - CoffeeScript / JQuery / D3 / Raphael