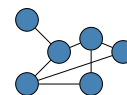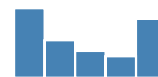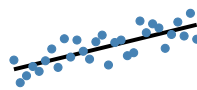# Ben Southgate

Contact

Phone := (650) 465 - 0225

Email := bsouthga@[urban.org (or) gmail.com]

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, Pop. Research Center - 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 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 1 (*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

Python — 3 years (Pandas / web scraping / DTW)

Stata — 3 years (Regression analysis / decomposition)

LaTeX — 3 years (Sweave / Stata weaving)

R — 2 years (Regression analysis / data mining)

Java — 2 years (Data mining / academic exp.)

SAS — 1.5 years (Extensive macro programming)

JavaScript — 1 year (CoffeeScript / JQuery / D3 / Raphael)