

Aaron J. Fisher

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Department of Biostatistics
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Education

Ph.D. Candidate, Biostatistics, Johns Hopkins Bloomberg School of Public Health, *expected 2016*

Advisors: Vadim Zipunnikov & Brian Caffo

B.A., Economics, University of Rochester, 2010.

summa cum laude

Academic Papers

Submitted

AJ Fisher, B Caffo, B Schwartz, V Zipunnikov. *Fast, Exact Bootstrap Principal Component Analysis for $p > 1$ million.* (link).

AJ Fisher, GB Anderson, R Peng, J Leek. 2014. *A randomized trial in a massive online open course shows people don't know what a statistically significant relationship looks like, but they can learn.* (link).

AJ Fisher, H Jaffee, M Rosenblum. 2014. *interAdapt – An Interactive Tool for Designing and Evaluating Randomized Trials with Adaptive Enrollment Criteria.* (link).

Reviewer

Risk Analysis

Software

bootSVD – An R package for implementing fast, exact bootstrap principal component analysis and singular value decompositions for high dimensional data (i.e. > 1 million covariates)

[Github link](#)

interAdapt – An Interactive Tool for Designing and Evaluating Randomized Trials with Adaptive Enrollment Criteria

[Shiny App link](#)

[Documentation link](#)

[Github package link](#)

Awards & Scholarships

- 2012-2016 Doctoral Training Grant in Environmental Biostatistics
- 2010 Omicron Delta Epsilon International Honor Society for Economics
- 2009,2010 Theta Chi Long, Walter, Ott Award
- 2009 Phi Beta Kappa
- 2009 John Dows Mairs Prize (University of Rochester Economics Dept)
- 2008,2009 Theta Chi Valentine H. Zahn Fund

Presentations

- 2014 “People Can’t See Statistical Significance: A Massive Randomized Trial on the Visual Perception of Relationships”
ENAR Spring Meeting, Baltimore, MD, *contributed*

Teaching

Guest Lecturer

- 2013 Essentials of Probability and Statistical Inference I-II, *JHSPH*

Teaching Assistant

- 2013,2014 Essentials of Probability and Statistical Inference III-IV (with lab component), *JHSPH*
- 2012,2013 Essentials of Probability and Statistical Inference I-II (with lab component), *JHSPH*
- 2012 Statistical Reasoning I and II, *JHSPH Summer Institute of Epidemiology and Biostatistics*

Professional Experience

- 2010 (Summer) Intern Analyst - Structured Decisions Corporation

Other Leadership Roles

- 2013-Present JHU Biostatistics Vegetarian Chili Champion
- 2012-2013 Co-organizer, JHU Biostatistics Computing Club ([speaker schedule link](#))

Computing

Advanced Skills: R

Basic Skills: Python, stata, shell scripting, \LaTeX