

Keith Barnatchez

Curriculum Vitae

Department of Biostatistics
Harvard University
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EDUCATION

Harvard University, 2021-2026 (expected)

PhD Candidate in Biostatistics

Harvard University, 2021-2023,

AM Biostatistics

Colby College, 2014-2018

BA Mathematical Sciences, Statistics Concentration

BA Economics-Mathematics, Honors thesis: *Employer Mandates and Firm Dynamics*

ACADEMIC EXPERIENCE

Co-Op PhD Student, [Neurological Clinical Research Institute](#), 2023-Present

PhD Student Researcher, [Massachusetts General Hospital Biostatistics Center](#), Dr. Marie-Abel Bind, 2022-Present

Research Assistant, [Federal Reserve Bank of Boston](#), Economists Jenny Tang and Viacheslav Sheremirov, 2018-2021

Summer Research Assistant, [Federal Reserve Board of Governors](#), Economists Leland Crane and Ryan Decker, 2017

Research Assistant, [Colby College Economics Department](#), Professor Robert Lester, 2016

TEACHING EXPERIENCE

Head Teaching Fellow for Introductory Statistics (BST 201), [Harvard Biostatistics Department](#), 2023-

Teaching Fellow for Introductory Statistics (BST 201), [Harvard Biostatistics Department](#), 2022

OTHER EXPERIENCE

Teaching Assistant for Macroeconomic Theory, [Colby College Economics Department](#), 2017-2018

Data Analyst Summer Intern, [UnitedHealth](#) (formerly OmniClaim), 2016

Teaching Assistant for Introductory Statistics, [Colby College Mathematics & Statistics Department](#), 2016-2018

Teaching Assistant for Calculus I, [Colby College Mathematics & Statistics Department](#), 2015-2016

HONORS

Harvard Biostatistics Distinction in Teaching Award, 2023, 2024

Phi Beta Kappa, 2018

Mu Sigma Rho, 2018

Colby Economics Department Faculty Prize (for high scholarly attainment in economics), 2017

PUBLICATIONS AND WORKING PAPERS

“An Assessment of the National Establishment Time Series (NETS) Database” (with Leland Crane and Ryan Decker), *FED Working Paper Series*, 2017.

WORKS IN PROGRESS

“Measurement Error in Causal Inference: A Review” (with Rachel Nethery and Kevin Josey)

“Estimating Causal Effects with a Mismeasured Exposure Using Control Variates” (with Rachel Nethery, Kevin Josey and Giovanni Parmigiani)

TALKS AND PRESENTATIONS

“Measurement Error in Causal Inference: A Review” (with Rachel Nethery and Kevin Josey).
Harvard Biostatistics Student Seminar Series, April 2023

“Estimating Causal Effects with a Mismeasured Exposure Using Control Variates.” ENAR Annual Spring Meeting, March 2024

SERVICE ACTIVITIES

Journal Peer Reviewer: Cell Press: Patterns, Economic Modelling

SKILLS

Programming languages: Python (Base, Numpy, Pandas, Matplotlib and Tensorflow), R

Software: Stata & Mata, LaTeX, Matlab