

Eli Ben-Michael

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EDUCATION

University of California, Berkeley, Berkeley, CA December 2020
PhD in Statistics, Advisors: Avi Feller and Peng Ding

Columbia University, Columbia College, New York, NY May 2016
Bachelor of Arts, *Summa Cum Laude*, Computer Science and Statistics

ACADEMIC APPOINTMENTS

Harvard University, Cambridge, MA January 2021 - Present
Postdoctoral Fellow, Institute for Quantitative Social Science

PUBLISHED ARTICLES

Ben-Michael, E., A. Feller, and J. Rothstein (2021+). The augmented synthetic control method.
Journal of the American Statistical Association

Ben-Michael, E., A. Feller, and E. Stuart (2021+). A trial emulation approach for policy evaluations with group-level longitudinal data. *Epidemiology*

Elser, H., **E. Ben-Michael**, D. Rehkopf, S. Modrek, E. A. Eisen, and M. R. Cullen (2019). Layoffs and the mental health and safety of remaining workers: a difference-in-differences analysis of the US aluminium industry. *Journal of Epidemiology and Community Health* 73, 1094–1100

PREPRINTS AND WORKING PAPERS

Lu, B., **E. Ben-Michael**, A. Feller, and L. Miratrix (2021). Is it who you are or where you are? Accounting for compositional differences in cross-site treatment variation

Ben-Michael, E., A. Feller, and S. Raphael (2021). The Effect of a Targeted Effort to Remove Firearms from Prohibited Persons on State Murder Rates

Soriano, D., **E. Ben-Michael**, P. J. Bickel, A. Feller, and S. D. Pimentel (2021). Interpretable Sensitivity Analysis for Balancing Weights

Ben-Michael, E., A. Feller, and E. Hartman (2021). Double regression with post-stratification for high dimensional survey data

Ben-Michael, E., A. Feller, and J. Rothstein (2020). Variation in impacts of letters of recommendation on college admissions decisions: Approximate balancing weights for treatment effect heterogeneity in observational studies

(American Statistical Association Social Statistics Section Student Paper Award winner)

Keele, L., **E. Ben-Michael**, A. Feller, R. Kelz, and L. Miratrix (2020). Hospital quality risk standardization via approximate balancing weights

Ben-Michael, E., A. Feller, and J. Rothstein (2019). Synthetic controls and weighted event studies with staggered adoption

(SF ASA Student Travel Award winner, Thomas R. Ten Have Poster Award runner up)

OPEN SOURCE STATISTICAL SOFTWARE

[augsynth](#): R implementation of the augmented synthetic control method

PRESENTATIONS

Double regression with post-stratification for high dimensional survey data <i>Asian Political Methodology Meetings</i> <i>BigSurv20</i>	January 2021 November 2020
A trial emulation approach for policy evaluations with group-level longitudinal data <i>Association for Public Policy Analysis & Management Fall Research Conference</i>	November 2020
Varying impacts of letters of recommendation on college admissions <i>Annual Meeting of the Society for Political Methodology</i>	July 2020
Synthetic controls with staggered adoption <i>JHU CICADAS Seminar</i> <i>ENAR Spring Meeting</i> <i>Online Causal Inference Seminar</i> <i>Econometric Society World Congress</i> <i>Joint Statistical Meetings</i> (SFASA Student Travel Award winner) <i>Berkeley-Stanford Econometrics Jamboree</i> <i>Atlantic Causal Inference Conference</i> (Thomas R. Ten Have Poster Award runner up)	March 2021 March 2021 September 2020 August 2020 August 2020 November 2019 May 2019
Multi-level balancing weights for multi-site observational studies <i>Society for Research on Educational Effectiveness</i>	March 2019
The augmented synthetic control method <i>2018 European Winter Meeting of the Econometric Society</i>	December 2018
Matrix constraints and multi-task learning for covariate balance <i>7th Causal Inference Workshop at UAI</i>	August 2018

AWARDS AND HONORS

Department fellowship, Department of Statistics, U.C. Berkeley Two years of funding through RTG grant: Advancing Machine Learning - Causality and Interpretability	2018
Phi Beta Kappa, Columbia University	2016
Computer Science Department Award, Columbia University Given to the top two graduating seniors each year	2016

TEACHING

U.C. Berkeley Department of Statistics <i>Graduate Student Instructor</i> Stat 232: Experimental Design with Sam Pimentel Stat 159/259: Reproducible and Collaborative Data Science with Fernando Perez	Fall 2018 Fall 2017
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INSTITUTIONAL SERVICE

PhD admissions committee, Department of Statistics, UC Berkeley	Spring 2020
Co-president of the Berkeley Statistics Graduate Student Association	Fall 2018 - Spring 2019
Reviewer for <i>Journal of the American Statistical Association</i> , <i>Econometrica</i> , <i>Biometrika</i> , <i>Political Analysis</i> , <i>Annals of Applied Statistics</i> , <i>Population Health Metrics</i> , <i>Journal of Educational and Behavioral Statistics</i> , <i>Journal of Causal Inference</i> , and <i>Journal of Applied Econometrics</i>	

WORK EXPERIENCE

Uber , New York, NY <i>Data Science Intern</i>	Summer 2019
Walmart Labs , Sunnyvale, CA <i>Machine Learning Scientist Intern</i>	Summer 2017
Knewton , New York, NY <i>Data Science Intern</i>	Summer 2016