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 and Department of Statistics

PUBLISHED ARTICLES

Ben-Michael, E., A. Feller, and J. Rothstein (2021+). Synthetic controls with staggered adoption. *Journal of the Royal Statistical Society, Series B*
(SF ASA Student Travel Award winner, Thomas R. Ten Have Poster Award runner up)

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 32*, 533–540

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

Ben-Michael, E., D. J. Greiner, K. Imai, and Z. Jiang (2021). Safe Policy Learning through Extrapolation: Application to Pre-trial Risk Assessment. arXiv:2109.11679

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. arXiv:2103.14765

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. arXiv:2102.13218

Ben-Michael, E., A. Feller, and E. Hartman (2021). Multilevel calibration weighting for survey data. arXiv:2102.09052

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. arXiv:2008.04394
(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. arXiv:2007.09056

OPEN SOURCE STATISTICAL SOFTWARE

augsynth: R implementation of the augmented synthetic control method

multical: R package for multilevel calibration weighting

PRESENTATIONS

Safe policy learning through extrapolation
Harvard Applied Statistics Workshop   October 2021
Johns Hopkins Causal Inference Seminar   October 2021

Multilevel calibration weighting for survey data
Annual Meeting of the Society for Political Methodology   July 2021
Asian Political Methodology Meetings   January 2021
BigSurv20   November 2020

Varying impacts of letters of recommendation on college admissions
Joint Statistical Meetings (ASA Social Statistics Section Student Paper Award Winner)   August 2021
RAND Center for Causal Inference Symposium   June 2021
Annual Meeting of the Society for Political Methodology   July 2020

A trial emulation approach for policy evaluations with group-level longitudinal data
Association for Public Policy Analysis & Management Fall Research Conference   November 2020

Synthetic controls with staggered adoption
Johns Hopkins CICADAS Seminar   March 2021
ENAR Spring Meeting   March 2021
Online Causal Inference Seminar   September 2020
Econometric Society World Congress   August 2020
Joint Statistical Meetings (SFASA Student Travel Award winner)   August 2020
Berkeley-Stanford Econometrics Jamboree   November 2019
Atlantic Causal Inference Conference (Thomas R. Ten Have Poster Award runner up)   May 2019

Multi-level balancing weights for multi-site observational studies
Society for Research on Educational Effectiveness   March 2019

The augmented synthetic control method
2018 European Winter Meeting of the Econometric Society   December 2018

Matrix constraints and multi-task learning for covariate balance
7th Causal Inference Workshop at UAI   August 2018

AWARDS AND HONORS

Department fellowship, Department of Statistics, U.C. Berkeley   2018
  Two years of funding through RTG grant: Advancing Machine Learning - Causality and Interpretability

Phi Beta Kappa, Columbia University   2016

Computer Science Department Award, Columbia University   2016
  Given to the top two graduating seniors each year

TEACHING

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

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 *Journal of the American Statistical Association, Econometrica, Biometrika, Political Analysis, Annals of Applied Statistics, Statistics in Medicine, Statistics and Public Policy, Population Health Metrics, INFORMS Journal on Data Science, Journal of Educational and Behavioral Statistics, Journal of Causal Inference,* and *Journal of Applied Econometrics*

WORK EXPERIENCE

Uber, New York, NY   Summer 2019

Data Science Intern

Walmart Labs, Sunnyvale, CA   Summer 2017
Machine Learning Scientist Intern

Knewton, New York, NY   Summer 2016
Data Science Intern