

Reagan Mozer

CONTACT INFORMATION

Bentley University
Morison Hall 337
175 Forest Street
Waltham, MA 02452

Phone: (781) 891-2267
Email: rmozer@bentley.edu
Websites: www.reaganmozer.com

PROFESSIONAL EXPERIENCE

Bentley University, Waltham, Massachusetts
Assistant Professor
Department of Mathematical Sciences

July 2019 - present

Harvard University, Cambridge, Massachusetts
Postdoctoral Research Fellow
Department of Statistics, Supervisor: Mark Glickman

May - June 2019

EDUCATION

Harvard University, Cambridge, Massachusetts

Ph.D. in Statistics, May 2019

Thesis title: *New directions for causal inference with complex data in health care, social science, and beyond*

Advisors: Luke Miratrix, Mark Glickman, and Fabrizia Mealli

M.A., Statistics, May 2016

University of Southern California, Los Angeles, California

B.S., Applied and Computational Mathematics, May 2014

PUBLICATIONS

Mozer, R., Rubin, D. B., and Zubizarreta, J. R. (2020). Statistical inference for causal effects in clinical psychology: Fundamental concepts and analytical approaches. In Wright, A. C. and Halquist, M. N., editors, *The Cambridge Handbook of Research Methods in Clinical Psychology*, chapter 31, pages 415–425. Cambridge University Press, Cambridge, UK

Mozer, R., Miratrix, L., Kaufman, A. R., and Anastasopoulos, L. J. (2019). Matching with text data: An experimental evaluation of methods for matching documents and of measuring match quality. *Political Analysis (Forthcoming)*

Bavli, H. and Mozer, R. (2019). The effects of comparable-case guidance on awards for pain and suffering and punitive damages: Evidence from a randomized controlled trial. *Yale Law and Policy Review*

Kessels, R., Mozer, R., and Bloemers, J. (2019). Methods for assessing and controlling placebo effects. *Statistical Methods in Medical Research*, 28(4):1141–1156

Mozer, R., Kessels, R., and Rubin, D. B. (2017). Disentangling treatment and placebo effects in randomized experiments using principal stratification: an introduction. In *The Annual Meeting of the Psychometric Society*, pages 11–23. Springer

WORKING PAPERS AND PAPERS UNDER REVIEW

Mozer, R. and Glickman, M. E. (2019). Bayesian analysis of longitudinal studies with treatment by indication. *JASA Applications and Case Studies*

Mozer, R., Kaufman, A., and Miratrix, L. Using Text Data to Improve Causal Analyses in Medical Research. *Working paper*.

Mozer, R., and Mealli, F. A Guide to Causal Inference with Complex Data: Five Common Problems and their Solutions. *Working paper*.

Mozer, R., Branson, Z., Dwight, E., Kou, Z., and Miratrix, L. Assessing Gender Disparities in Textual Response on Reddit.com. *Working paper*.

OTHER
PUBLICATIONS

Mozer, R., and Rubin, D.B. Evaluating PML Risk for Multiple Sclerosis Patients Receiving Tysabri. *Technical report*.

Osuna, B.L, and Rose, R. (2013). Applying Quantitative Content Analysis and Factor Scoring: A Comparison of Pre- and Post-9/11 Song Lyrics. Proceedings of the Joint Statistical Meetings, Statistical Computing Section.

SOFTWARE AND
COMPUTING

textmatch: an R package for matching text documents and performing quality and balance assessments in studies where covariates and/or outcomes are defined by text, doi: 10.5281/zenodo.2626730

Replication Data for: Matching with Text Data: An Experimental Evaluation of Methods for Matching Documents and of Measuring Match Quality. Published on the Political Analysis Dataverse hosted by Harvard Dataverse, doi:10.7910/DVN/K8IL3V

CONSULTING
EXPERIENCE

Pacific Clinics Asian Pacific Family Center, Rosemead, CA
Carnegie Mellon Hoover Institution, Pittsburgh, PA
New Hampshire Public Defender's Office, Concord, NH
Biogen, Cambridge, MA
Emotional Brain, B.V., Almere, The Netherlands
Veterans Affairs Medical Center, Bedford, MA

TEACHING
EXPERIENCE

Courses taught at Bentley University (as Instructor)

MA 252: Regression Analysis

Courses taught at Harvard University (as a Teaching Fellow)

Stat 98: Junior Tutorial

Stat 109: Introduction to Statistical Modeling

Stat 139: Statistical Sleuthing through Linear Models (*Head TF*)

Stat 186: Statistical Methods for Evaluating Causal Effects

Stat 211: Statistical Inference (Graduate Level)

Stat 286: Causal Inference and Program Evaluation (Graduate Level)

Stat 303: The Art and Practice of Teaching Statistics (Graduate Level)

SELECTED TALKS	<p>International Conference on Health Policy Statistics (ICHPS). San Diego, CA – January 2020</p> <p>New England Statistics Society (NESS) Data Science Day. Waltham, MA – November 2019</p> <p>Harvard Data Science Conference. Cambridge, MA – October 2018</p> <p>New Directions for Analyzing Text as Data. Seattle, WA – October 2018</p> <p>Preconference on Politics and Computational Social Science (PACSS). Boston, MA – August 2018</p> <p>Annual Meeting of the Society for Political Methodology (PolMeth). Salt Lake City, UT – July 2018</p> <p>Joint Statistical Meetings (JSM). Baltimore, MD – July 2017</p>
AFFILIATIONS	<p>Center for Integration of Science and Industry, Bentley University</p> <p>Health Thought Leadership Network, Bentley University</p> <p>Institute for Quantitative Social Science, Harvard University</p> <p>Miratrix C.A.R.E.S Lab, Harvard University</p>
OTHER ACADEMIC ACTIVITIES	<p>Referee for papers of <i>Biostatistics</i>, the <i>Journal of the Royal Statistical Society (Series B)</i> and <i>Stat (Journal of the International Statistical Institute)</i></p> <p>Organizer of Causal inference in medicine: a toolkit for clinicians, a workshop hosted by the Laboratory of Computational Physiology at MIT Critical Data, November 2018</p> <p>Selected poster presentations: Atlantic Causal Inference Conference 2018, 2017, European Causal Inference, Meeting 2018, NIPS 2017, Promoting Statistical Insight 2016, JSM 2016</p> <p>Professional memberships: American Statistical Association, Association for Computational Linguistics, New England Statistical Society</p> <p>Technical skills: Proficient in R, Python, C/C++, Matlab, Java, SQL</p>
HONORS AND AWARDS	<p>Pickard Teaching Fellow Award, Harvard University Department of Statistics, 2019</p> <p>Jeanne Humphrey Block Dissertation Award, 2018</p> <p>Pedagogy Fellow in Statistics, Harvard University Derek Bok Center, 2018</p> <p>Certificate of Distinction in Teaching, Harvard University Derek Bok Center, 2015 – 2019</p>