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EMPLOYMENT

2023 - Clinical Assistant Professor of Biostatistics
School of Public Health, Division of Biostatistics and Epidemiology (primary)
College of Applied Health Sciences (joint)
Statistician, Office of Research, College of Applied Health Sciences
University of Illinois Chicago

2021 - 2023 Postdoctoral Researcher in Statistics
University of Washington

EDUCATION

2021 PhD, Northwestern University, Statistics
2018 MS, Northwestern University, Statistics
2015 MA, Eastern Michigan University, Mathematics
2011 BS, Rochester Institute of Technology, Applied Arts and Sciences

FELLOWSHIPS AND AWARDS

2020 - 2021; University Fellowship, Northwestern University
2016 - 2017
2016 - 2021 Summer Fellowship, Northwestern University
2015 Outstanding Mathematics Achievement Award for Excellence in Graduate Studies,
Eastern Michigan University (*top departmental award*)
2010 - 2011 UNICEF Award for Senior Capstone Project, Rochester Institute of Technology

PUBLICATIONS

2023 **Zejnullahi, R.**, Hedges, L.V. Robust variance estimation in small meta-analysis with the standardized mean difference. *Research Synthesis Methods*. 1-17.
<https://doi.org/10.1002/jrsm.1668>

2023 Hedges, L.V., Tipton, E., **Zejnullahi, R.**, Diaz, K.G. (2023). Effect sizes in ANCOVA and difference-in-differences designs. *British Journal of Mathematical and Statistical Psychology*, 76 (2), 259-282. <https://doi.org/10.1111/bmsp.12296>
(Corresponding Author)

2021 Schauer, J.M., Fitzgerald, K.G., Peko-Spicer, S., Whalen, M.C.R., **Zejnullahi, R.**, Hedges, L.V. An evaluation of statistical methods for aggregate patterns of replication failure. *Annals of Applied Statistics*, 15 (1) 208-229.

<https://doi.org/10.1214/20-AOAS1387>

- 2015 Casey, S.A., Ross, A.M., Groth, R.E., **Zejnnullahi, R.** Developing teachers' knowledge for content and students for teaching categorical association. In Bartell, T.G., Bieda, K.N., Putnman, R.T., Bradfield, K., Dominguez, H. (Eds.), *Proceedings of the thirty-seventh annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, pp. 872-875.

UNDER REVIEW / WORKING PAPERS

- 2023 **Zejnnullahi, R.**, Hedges, L.V. Meta-analysis of clinical trials based on binary data and a small number of studies. Working Paper.

CONFERENCE PRESENTATIONS

- 2023 Small meta-analysis with the standardized mean difference. Paper presented at the Annual Meeting of the Society for Research Synthesis Methodology (SRSB). Paris, France. July 2023.
- 2021 Fixed effect and random-effects meta-analysis of randomized trials when the outcome is continuous and the number of studies is small. Paper presented at the Fall Meeting of the Society for Research on Educational Effectiveness (SREE). Washington, DC. September 2021. (Virtual)
- 2018 Prioritizing statistical knowledge for teaching: designing and testing a curriculum module on categorical association (with Stephanie A. Casey, Andrew M. Ross, Jim H. Albert and Randy E. Groth). Presented at the Annual Meeting of the American Mathematical Society (JMM). San Diego, CA. January 2018.
- 2015 Developing teachers' knowledge of content and students for teaching categorical association (with Stephanie A. Casey and Andrew M. Ross). Presented at the North American Chapter of the International Group for the Psychology of Mathematics Education (PME-NA). East Lansing, MI. November 2015.
- 2015 Preparing teachers to teach statistics – pilot study. Presented at the Graduate Research Conference, Eastern Michigan University. Ypsilanti, MI. November 2015.
- 2015 Preparing to teach statistics: Connecting subject matter and pedagogical content knowledge (with Stephanie A. Casey, Joe Champion and Nick Wasserman) Break-out Session at the United States Conference on Teaching Statistics (USCOTS), Pennsylvania State University. State College, PA. May 2015.

RESEARCH EXPERIENCE

- 2021 – 2023 Researcher, Center for Statistics and the Social Sciences (CSSS), University of Washington
- 2019 – 2021 Graduate Research Assistant, Statistics for Evidence Based Policy and Practice (STEPP) Center, Northwestern University

2019 – 2021 Graduate Research Assistant, Institute for Policy Research (IPR), Northwestern University

2014 – 2015 Graduate Research Assistant, Department of Mathematics and Statistics, Eastern Michigan University

TEACHING

University of Illinois Chicago

School of Public Health, Division of Biostatistics and Epidemiology

IPHS 402: Analytic and Research Methods in Public Health (Fall 2023)

College of Applied Health Sciences

AHS 512 Biostatistics II (Winter 2024)

AHS 511 Biostatistics I (Fall 2023)

Northwestern University, Teaching Assistant

STAT 301-3 Data Science III (Spring 2020)

STAT 301-2: Data Science II (Winter 2020)

STAT 301-1: Data Science I (Fall 2019)

STAT 383: Probability and Statistics for ISP (Integrated Science Program) (Winter 2019)

STAT 210: Introductory Statistics for the Social Sciences (Winter 2018, Spring 2019)

STAT 202: Introduction to Statistics (Fall 2017, Spring 2018, Fall 2019)

Eastern Michigan University, Instructor of Record

STAT 179: Introduction to Statistics (Winter 2016)

MATH 105: College Algebra (Winter 2016)

MATH 107: Plane Trigonometry (Winter 2016)

MATH 110: Mathematical Reasoning (Fall 2015)

MATH 104: Intermediate Algebra (Fall 2014, Winter 2015, Fall 2015)

MENTORING & ADVISING

Dissertation Committee

UIC College of Applied Health Sciences

Vered Arbel (2023)

RStudio Mentor, Increasing Statistical Preparation in Research Education for Underrepresented Undergraduates (INSPIRE U2) Program, Spelman College (Summer 2023)

Mentor, Directed Reading Program (DRP), University of Washington

Decisions in Risky Situations (Spring 2023); Introduction to Human Rights Statistics (Spring 2022)

PROFESSIONAL ACTIVITIES

Consulting

2023 - Statistics Walk-in Clinic, UIC College of Applied Health Sciences

2021 NSF Summer Research Training Institute on Improving Evaluations of R&D in STEM Education, Northwestern University (Summer 2021)

2018 - 2019 IES Summer Research Training Institute on Cluster Randomized Trials, Northwestern University (Summer 2018, 2019)

Service to the University

2023 - Facilitator, Biostatistics Journal Club, UIC School of Public Health
2023 - Co-leader, Epidemiology and Biostatistics Journal Club, UIC School of Public Health
2023 Seed funding reviewer, UIC School of Public Health
2021 - 2022 Volunteer reviewer, Pre-application Review Service (PARS), University of Washington
2021 - 2022 First round reviewer for 2022 and 2023 PhD admissions, University of Washington
2019 - 2021 Speaker series coordinator, Women in Statistics (WIST), Northwestern University

Service to the profession

2022, 2023 Judge for the Undergraduate Student Project Competition (USPROC), Consortium for the Advancement of Undergraduate Statistics Education (CAUSE) and the American Statistical Association (ASA)

Service to the community

2023 [RStudio Trainer](#) for public case-level datasets from the Cook County State's Attorney, Hacking 4 Justice (H4J)

Ad-hoc referee service

Journals: Research Synthesis Methods, BMJ Open
Conferences: Society for Causal Inference

Professional Society Memberships

American Statistical Association (ASA)
Society for Research Synthesis Methodology (SRSM)
American Public Health Association (APHA)
Association for Public Policy Analysis and Management (APPAM)
Society for Research on Educational Effectiveness (SREE)