

Jacob Schauer

ASSISTANT PROFESSOR

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Education

Northwestern University

PHD, STATISTICS

Evanston, IL

2018

Western Michigan University

BS MATHEMATICS, ENGLISH

Kalamazoo, MI

2007

Professional Experience

Feinberg School of Medicine, Northwestern University

ASSISTANT PROFESSOR

Chicago, IL

2020-present

Institute for Policy Research, Northwestern University

POSTDOCTORAL FELLOW

Evanston, IL

2018-2020

National Opinion Research Center

DATA SCIENTIST

Chicago, IL

2014-2019

Society for Research on Educational Effectiveness

CONSULTANT

Washington, DC

2016-2018

Publications

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

Schauer, J. M., Kuyper, A. M., Hedberg, E. C., & Hedges, L. V. (to appear-). The effects of microsuppression on state education data quality. *Journal of Research on Educational Effectiveness*.

Schauer, J. M. (in press-). Reconsidering statistical methods for assessing replication. *Psychological Methods*. <https://doi.org/10.1037/met0000302>

Schauer, J. M., & Hedges, L. V. (2020). Assessing heterogeneity and power in replications of psychological experiments. *Psychological Bulletin*, 146(8), 701–719. <https://doi.org/10.1037/bul0000232>

Hedges, L. V., & Schauer, J. M. (2019). More than one replication study is needed for unambiguous tests of replication. *Journal of Educational and Behavioral Statistics*, 44(5), 543–570. <https://doi.org/10.3102/1076998619852953>

Hedges, L. V., & Schauer, J. M. (2019). Statistical analyses for studying replication: Meta-analytic perspectives. *Psychological Methods*, 24(5), 557–570. <https://doi.org/10.1037/met0000189>

Hedges, L. V., & Schauer, J. M. (2019). Consistency of effects is important in replication. *Psychological Methods*, 24(5), 576–577. <https://doi.org/10.1037/met0000237>

Hedges, L. V., & Schauer, J. M. (2018). Randomised trials in education in the usa. *Educational Research*, 60(3), 265–275. <https://doi.org/10.1080/00131881.2018.1493350>

Talks

Schauer, J. M. (2019). *Assessing replication: Lessons from empirical research and applied statistics*. presented at the Joint Statistical Meetings, Denver, CO.

Schauer, J. M. (2019). *Challenges for imputing missing covariates in a meta-regression*. Society for Research Synthesis Methods, Chicago, IL.

Schauer, J. M. (2019). *Assessing replication: Lessons for education science*. Paper presented at the Spring Meeting of the Society for Research on Educational Effectiveness, Washington, DC.

Schauer, J. M. (2018). *Suspect research and statistical inference*. Paper presented at the Spring Meeting of the Society for Research on Educational Effectiveness, Washington, DC.

Schauer, J. M. (2018). *Replication in education science*. Poster presented at the Spring Meeting of the Society for Research on Educational Effectiveness, Washington, DC.

Papers in Progress

Schauer, J. M. (in preparation-). *On the accuracy of replication failure rates*.

Schauer, J. M., Diaz, K., Lee, J., & Pigott, T. D. (in preparation-). *On the bias of complete- and available-case meta-regressions with missing covariates*.

Schauer, J. M., Diaz, K., & Pigott, T. D. (under review-). Exploratory analyses for missing data in meta-analyses. *Alcohol and Alcoholism*.

Hedges, L. V., & Schauer, J. M. (in revision-). The design of replication studies. *Journal of the Royal Statistical Society Series A*.

Teaching

Data Science III (STAT 301-3)

DEPARTMENT OF STATISTICS, NORTHWESTERN UNIVERSITY

Evanston, IL

2019-2020

Summer Institute in Randomized Trials for Established Researchers

INSTITUTE FOR POLICY RESEARCH, NORTHWESTERN UNIVERSITY

Evanston, IL

2014-2019

Introduction to Statistics and Data Science

NORTHWESTERN UNIVERSITY ATHLETICS DEPARTMENT TUTORING

Evanston, IL

2016-2019

Introduction to Python

DEPARTMENT OF STATISTICS, NORTHWESTERN UNIVERSITY

Evanston, IL

Spring 2017

Introduction to dplyr

RESEARCH COMPUTING SERVICES, NORTHWESTERN UNIVERSITY

Evanston, IL

Spring 2017

English as a Foreign Language

CALEDONIAN SCHOOL

Prague, CZ

2008-2009

High School Mathematics

SANTA FE CATHOLIC HIGH SCHOOL

Lakeland, FL

2007-2008

TEACHING ASSISTANT

Special Topics: Methods for Studying Replication

DEPARTMENT OF STATISTICS, NORTHWESTERN UNIVERSITY

Evanston, IL

Spring 2018

Meta-analysis (STAT 439)

DEPARTMENT OF STATISTICS, NORTHWESTERN UNIVERSITY

Evanston, IL

Spring 2018

Applied Hierarchical Linear Models (STAT 356)

DEPARTMENT OF STATISTICS, NORTHWESTERN UNIVERSITY

Evanston, IL

Winter 2017

Introduction to Data Science (STAT 301)

DEPARTMENT OF STATISTICS, NORTHWESTERN UNIVERSITY

Evanston, IL

Fall 2016

Professional Activities

REVIEWER

- *Journal of Educational and Behavioral Statistics*
- *Behavioral Research Methods*
- *PLoS One*

- *Multivariate Behavioral Research*
- *Health Informatics Journal*
- *Research Synthesis Methods*