

# 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., & Hedges, L. V. (2021). Reconsidering statistical methods for assessing replication. *Psychological Methods*, 26, 127–139. <https://doi.org/10.1037/met0000302>
- Schauer, J. M., Fitzgerald, K. G., Peko-Spicer, S., Whalen, M. C. R., Zejnullahi, R., & Hedges, L. V. (2021). An evaluation of statistical methods for aggregate patterns of replication failure. *Annals of Applied Statistics*, 15, 208–229. <https://doi.org/10.1214/20-AOAS1387>
- Schauer, J. M., & Hedges, L. V. (2020). Assessing heterogeneity and power in replications of psychological experiments. *Psychological Bulletin*, 146, 701–719. <https://doi.org/10.1037/bul10000232>
- Schauer, J. M., Kuyper, A. M., Hedberg, E. C., & Hedges, L. V. (2020). The effects of microsuppression on state education data quality. *Journal of Research on Educational Effectiveness*, 13, 794–815. <https://doi.org/10.1080/19345747.2020.1814465>
- Hedges, L. V., & Schauer, J. M. (2019). Consistency of effects is important in replication. *Psychological Methods*, 24, 576–577. <https://doi.org/10.1037/met0000237>
- Hedges, L. V., & Schauer, J. M. (2019). More than one replication study is needed for unambiguous tests of. *Journal of Educational and Behavioral Statistics*, 44, 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, 557–570. <https://doi.org/10.1037/met0000189>
- 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>
- Hedges, L. V., & Schauer, J. M. (n.d.). The design of replication studies. *Journal of the Royal Statistical Society: Series A*.
- Schauer, J. M., Diaz, K., Lee, J., & Pigott, T. D. (n.d.). Exploratory analyses for missing data in meta-analyses. *Alcohol and Alcoholism*.

## Talks

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1. Schauer, J. M. (2021). *Design and analysis of replication studies: Considerations and pitfalls*. presented at the ACTStat Annual Meeting (Early Career Award Panel).
2. Schauer, J. M. (2021). *Statistical challenges for studying replication*. presented at the 3rd International Conference on Statistics: Theory and Applications (ICSTA'21).
3. Schauer, J. M. (2019). *Assessing replication: Lessons from empirical research and applied statistics*. presented at the Joint Statistical Meetings, Denver, CO.
4. Schauer, J. M. (2019). *Challenges for imputing missing covariates in a meta-regression*. Society for Research Synthesis Methods, Chicago, IL.
5. 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.
6. 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.
7. Schauer, J. M. (2018). *Replication in education science*. Poster presented at the Spring Meeting of the Society for Research on Educational Effectiveness, Washington, DC.

## Teaching

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### 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

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### REVIEWER

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

- *Health Informatics Journal*
- *Research Synthesis Methods*
- *Alcohol and Alcoholism*
- *Journal of General Internal Medicine*