

# 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, JM, KG Fitzgerald, S Peko-Spicer, MCR Whalen, R Zejnullahi, and LV Hedges (in press). An evaluation of statistical methods for aggregate patterns of replication failure. *Annals of Applied Statistics*.
- Schauer, JM, K Díaz, J Lee, and TD Pigott (in press). Exploratory analyses for missing data in meta-analyses. *Alcohol and Alcoholism*.
- Hedges, LV and JM Schauer (in press). The design of replication studies. *Journal of the Royal Statistical Society: Series A*.
- Schauer, JM (2020). Reconsidering statistical methods for assessing replication. *Psychological Methods*. Online advance copy.
- Schauer, JM, AM Kuyper, EC Hedberg, and LV Hedges (2020). The effects of microsuppression on state education data quality. *Journal of Research on Educational Effectiveness* **13** (4), 794–815.
- Schauer, JM and LV Hedges (2020). Assessing heterogeneity and power in replications of psychological experiments. *Psychological Bulletin* **146** (8), 701–719.
- Hedges, LV and JM Schauer (2019). Consistency of effects is important in replication. *Psychological Methods* **24** (5), 576–577.
- Hedges, LV and JM Schauer (2019). More than one replication study is needed for unambiguous tests of replication. *Journal of Educational and Behavioral Statistics* **44** (5), 543–570.
- Hedges, LV and JM Schauer (2019). Statistical analyses for studying replication: Meta-analytic perspectives. *Psychological Methods* **24** (5), 557–570.
- Hedges, LV and JM Schauer (2018). Randomised trials in education in the USA. *Educational Research* **60**(3), 265–275.

## Talks

- Schauer, JM (2019). *Assessing replication: Lessons from empirical research and applied statistics*. presented at the Joint Statistical Meetings, Denver, CO.
- Schauer, JM (2019). *Challenges for imputing missing covariates in a meta-regression*. Society for Research Synthesis Methods, Chicago, IL.
- Schauer, JM (2019). *Assessing replication: Lessons for education science*. Paper presented at the Spring Meeting of the Society for Research on Educational Effectiveness, Washington, DC.
- Schauer, JM (2018). *Suspect research and statistical inference*. Paper presented at the Spring Meeting of the Society for Research on Educational Effectiveness, Washington, DC.

5. Schauer, JM (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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<b>Data Science III (STAT 301-3)</b> DEPARTMENT OF STATISTICS, NORTHWESTERN UNIVERSITY	Evanston, IL 2019-2020
<b>Summer Institute in Randomized Trials for Established Researchers</b> INSTITUTE FOR POLICY RESEARCH, NORTHWESTERN UNIVERSITY	Evanston, IL 2014-2019
<b>Introduction to Statistics and Data Science</b> NORTHWESTERN UNIVERSITY ATHLETICS DEPARTMENT TUTORING	Evanston, IL 2016-2019
<b>Introduction to Python</b> DEPARTMENT OF STATISTICS, NORTHWESTERN UNIVERSITY	Evanston, IL Spring 2017
<b>Introduction to dplyr</b> RESEARCH COMPUTING SERVICES, NORTHWESTERN UNIVERSITY	Evanston, IL Spring 2017
<b>English as a Foreign Language</b> CALEDONIAN SCHOOL	Prague, CZ 2008-2009
<b>High School Mathematics</b> SANTA FE CATHOLIC HIGH SCHOOL	Lakeland, FL 2007-2008

### TEACHING ASSISTANT

<b>Special Topics: Methods for Studying Replication</b> DEPARTMENT OF STATISTICS, NORTHWESTERN UNIVERSITY	Evanston, IL Spring 2018
<b>Meta-analysis (STAT 439)</b> DEPARTMENT OF STATISTICS, NORTHWESTERN UNIVERSITY	Evanston, IL Spring 2018
<b>Applied Hierarchical Linear Models (STAT 356)</b> DEPARTMENT OF STATISTICS, NORTHWESTERN UNIVERSITY	Evanston, IL Winter 2017
<b>Introduction to Data Science (STAT 301)</b> 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*