

KAITLYN G. FITZGERALD

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Department of Statistics
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EDUCATION

- 2021 (expected) **Ph.D. Statistics**, Northwestern University, Evanston, IL
Dissertation: *Methods for Synthesizing and Translating Statistical Evidence in Education*
Committee: Elizabeth Tipton (*chair*), Larry Hedges, Steven Franconeri
- 2018 **M.S. Statistics**, Northwestern University, Evanston, IL
- 2015 **B.S. Mathematics**, Olivet Nazarene University, Bourbonnais, IL
Summa cum laude, University Honors Program Graduate

FELLOWSHIPS, HONORS & AWARDS

- 2020 – 2021; University Fellowship, Northwestern University
2016 – 2017
- 2017 – 2020 Multi-disciplinary Program in Education Sciences (MPES) Fellowship,
U.S. Department of Education, Institute of Education Sciences.
Grant Award No. R305B140042.
- 2015 Award for Excellence and Meritorious Work in Mathematics,
Olivet Nazarene University (*top departmental award*)

TEACHING EXPERIENCE

- 2020 – 2021 **Graduate Teaching Mentor**, Teaching Certificate Program, Searle Center for
Advancing Learning and Teaching, Northwestern University (NU)
- 2019 – 2020 **Teaching Certificate Program**, Searle Center for Advancing Learning &
Teaching, Northwestern University
- 2018 – 2020 **Teaching Assistant**, NU Department of Statistics
STAT 202: Introduction to Statistics (*Fall 2019*)
STAT 302: Data Visualization (*Spring 2020*)
STAT 330: Applied Statistics for Research (*Fall 2018*)

2019	Curriculum Development Graduate Assistant , NU Department of Statistics STAT 202: Introduction to Statistics (<i>Summer, Fall 2019</i>)
2019	Co-Instructor & Course Designer , Northwestern Prison Education Program, Cook County Department of Corrections Introduction to Social Statistics and Data Literacy (<i>Summer 2019</i>)
2019	Graduate Assistant , Meta-Analysis Training Institute, Loyola University
2018 – 2019	Coordinated Learning Team (CLT) Instructor* & Individual Tutor , NU Department of Athletics. MATH 220: Differential Calculus of One Variable Functions (<i>Winter 2019</i>)* PSYCH 201: Statistical Methods in Psychology (<i>Summer 2019</i>)* STAT 202: Introduction to Statistics (<i>Winter, Spring, Summer 2019</i>)* STAT 210: Introductory Statistics for the Social Sciences (<i>Fall 2018</i>) STAT 325: Survey Sampling (<i>Fall 2018</i>) STAT 350: Regression Analysis (<i>Winter 2019</i>)
2018 – 2019	Consultant / Facilitator , IES Summer Training Institute: Cluster Randomized Trials, Northwestern University
2012 – 2015	Teaching Assistant , Olivet Nazarene University, Department of Mathematics MATH 103: Mathematics for the Liberal Arts MATH 147: Calculus I MATH 148: Calculus II MATH 241: Statistics
2012 – 2015	Supplemental Course Instructor , Olivet Nazarene University, Math Lab

PUBLICATIONS

In Press	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. Forthcoming in <i>Annals of Applied Statistics</i> .
2020	Tipton, E., Spybrook, J., Fitzgerald, K.G. , Wang, Q., Davidson, C. Towards a System of Evidence for All: Current Practices and Future Opportunities in 37 Randomized Trials. <i>Educational Researcher</i> . DOI:10.3102/0013189X20960686
2019	Miller, J.D., Fitzgerald, K.G. , Smith, A.L., & Young, S.L. Geophagy among a cohort of Kenyan women with mixed HIV status: a longitudinal analysis. <i>American Journal of Tropical Medicine & Hygiene</i> , 101(3), 654 – 660.

WORKING PAPERS AND BOOKS

- 2019 Ismay, C., Kim, A.Y., Kuyper, A.M., Tipton, E. & **Fitzgerald, K.G.**
Introduction to Statistics and Data Science: A modern dive into R and the tidyverse. <https://nustat.github.io/intro-stat-ds/>

CONFERENCE PRESENTATIONS & INVITED TALKS

- 2020 **Fitzgerald, K.** Adjusting standard deviations for homogeneity of samples. Poster presentation at the Society for Research on Educational Effectiveness (SREE) annual conference, March 2020. (Cancelled due to COVID-19).
- 2019 **Fitzgerald, K.** What are we 95% confident about anyway? A software-embedded curriculum for learning statistical inference. Presentation at Association of Christians in the Mathematical Sciences bi-annual conference, Indiana Wesleyan University, May 2019.
- 2018 **Fitzgerald, K.** Statistics for Social Good: Why your math degree is in demand in social policy and international development. Invited talk at Olivet Nazarene University, Department of Mathematics, October 2018.
- 2018 Blaushild, N., **Fitzgerald, K.**, & Kamel, A. Does AIT improve student outcomes? An analysis of referrals, attendance, and grades. Presented to stakeholders at Evanston Township High School, May 2018.

RESEARCH & PROFESSIONAL EXPERIENCE

- 2019 – present **Graduate Research Assistant**, Statistics for Evidence-Based Policy and Practice (STEPP) Center, Northwestern University
- 2017 – present **Graduate Research Assistant**, Institute for Policy Research, Northwestern University
- 2018 – 2019 **Statistical Consultant**, Young Research Group, Northwestern University
- 2015 – 2016 **Research Analyst**, Barna Group, Ventura, CA
- 2015 **Learning & Analysis Intern**, World Vision International, Washington, DC
- 2013 – 2015 **Undergraduate Honors Capstone Thesis**, Olivet Nazarene University
- 2014 **Research Assistant Intern**, Barna Group, Ventura, CA

LEADERSHIP & SERVICE

Volunteer mentorship, advising, and consulting

2020 – present **Correspondence Tutor**, Northwestern Prison Education Program
2019 – 2020 **AP Research Expert Advisor**, James B. Conant High School
2018 **Volunteer Statistical Consultant**, First Presbyterian Church of Evanston

Community Leadership & Service

2018 – 2020 **Small Group Leader**, NU Graduate Christian Fellowship
2017 – 2019 **Small Group Coordinator**, NU Graduate Christian Fellowship
2019 **Stewardship Task Force**, First Presbyterian Church of Evanston
2018 **Panelist**, InterVarsity Ethnic Reconciliation and Justice National Consultation,
 University of Chicago, May 2018
2017 **World Relief Volunteer**, First Presbyterian Church of Evanston

Departmental Service

2019 – 2020 **Speaker Series Coordinator**, STEPP Center

Journal Referee service

Journal of the Association of Christians in the Mathematical Sciences
Journal of Research on Educational Effectiveness

Professional Society Membership

American Statistical Association
Association of Christians in the Mathematical Sciences
Mathematical Association of America
Society for Research on Educational Effectiveness