KAITLYN G. FITZGERALD

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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 Franconerri
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; 2016 – 2017	University Fellowship, Northwestern University
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)
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 *(Summer, Fall 2019)*

2019   **Co-Instructor & Course Designer**, Northwestern Prison Education Program, Cook County Department of Corrections
            Introduction to Social Statistics and Data Literacy (*Summer 2019*)

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 *(Winter 2019)**
            PSYCH 201: Statistical Methods in Psychology *(Summer 2019)**
            STAT 202: Introduction to Statistics *(Winter, Spring, Summer 2019)**
            STAT 210: Introductory Statistics for the Social Sciences *(Fall 2018)*
            STAT 325: Survey Sampling *(Fall 2018)*
            STAT 350: Regression Analysis *(Winter 2019)*

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

PEDAGOGICAL TRAINING & PROFESSIONAL DEVELOPMENT

Training Programs

2020   **Preparing to Teach Fellow,** American Statistical Association Section on Statistics and Data Science Education, May 2020 eCOTS cohort.

2019 – 2020   **Teaching Certificate Program,** Searle Center for Advancing Learning & Teaching, Northwestern University

2017 – 2020   **Multi-disciplinary Program in Education Sciences**, Northwestern University

Conferences attended *(with pedagogical focus)*
2020   Joint Statistical Meetings (JSM)
2020   electronic Conference on Teaching Statistics (eCOTS)
2019   United States Conference on Teaching Statistics (USCOTS)
2019   Association of Christians in the Mathematical Sciences (ACMS) Conference

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 *Annals of Applied Statistics.*
In Press	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. Forthcoming in *Educational Researcher.*
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. *American Journal of Tropical Medicine & Hygiene, 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 moderndive 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 – 2021	**STEM professional pen-pal,** Letters to a Pre-Scientist
2019 – 2020	**AP Research Expert Advisor**, James B. Conant High School
2018	**Volunteer Statistical Consultant,** First Presbyterian Church of Evanston

Community Leadership & Service

2018 – present	**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

2017 – 2020	**PhD admissions & orientation volunteer**, NU Department of Statistics
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