KAITLYN G. FITZGERALD

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APPOINTMENTS

2021 –	**Assistant Professor,** Department of Mathematics, Physics, & Statistics**,** Azusa Pacific University, Azusa, CA

EDUCATION

2021	**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
	Certificate in Teaching, Searle Center for Advancing Learning & Teaching
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

2021	Young Alumni Award, Olivet Nazarene University
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.
2015	Award for Excellence and Meritorious Work in Mathematics, Olivet Nazarene University (*top departmental award*)

TEACHING

Azusa Pacific University

2021 -	**Instructor**, Department of Mathematics, Physics, & Statistics
	MATH 130: Introduction to Statistics *(Fall 2021)*
	PRMA 130: Introduction to Statistics *(Fall 2021)*
	MATH 361: Probability & Statistics I *(Fall 2021)*

Northwestern University

2018 – 2020   **Instructor & Course Designer**, Northwestern Prison Education Program,
Cook County Department of Corrections
Introduction to Social Statistics and Data Literacy *(Summer 2019)*
Curriculum Development Graduate Assistant, Department of Statistics
STAT 202: Introduction to Statistics *(Summer, Fall 2019)*
Coordinated Learning Team (CLT) Instructor, 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)*
Teaching Assistant, Department of Statistics
STAT 202: Introduction to Statistics *(Fall 2019)*
STAT 330: Applied Statistics for Research *(Fall 2018)*

MENTORING & ADVISING

2021   **Learning Assistant Mentor**, Azusa Pacific University

2020 – 2021   **Graduate Teaching Mentor,** Teaching Certificate Program, Northwestern
University Searle Center for Advancing Learning and Teaching

2019 – 2020   **AP Research Expert Advisor**, James B. Conant High School

PUBLICATIONS

In Press   **Fitzgerald, K.G.,** & Tipton, E. The Meta-Analytic Rain Cloud Plot: A New
Approach to Visualizing Clearinghouse Data. Forthcoming in *Journal for
Research on Educational Effectiveness.*

2021   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. *Annals of Applied Statistics, 15*(1), 208-229.

2021   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. *Educational Researcher, 50*(3), 145 – 156.

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

2021   **Fitzgerald, K.G**. Using Extant Data to Improve Estimation of the Standardized Mean Difference. Under review.

2021   **Fitzgerald, K.G.**, & Tipton, E. Translation Science: Towards more evidence-based communication practices in education research. In preparation.

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

2021   **Fitzgerald, K.G.** How statistics helps us be better stewards of information: Applications from social policy & global development. Invited talk at Olivet Nazarene University, Department of Mathematics, October 2021.

2021   **Fitzgerald, K.G.** Effective communication of meta-analytic data in education: Evidence from a statistical cognition experiment on data visualizations. Poster presentation at STEM Research Symposium, Azusa Pacific University, October 2021.

2021   **Fitzgerald, K.G.** & Tipton, E. Communicating clearinghouse data: A statistical cognition experiment on education practitioners' understanding of forest plots. Paper presentation at the Society for Research on Educational Effectiveness (SREE) annual conference, virtual, September 2021.

2020   Hill, A., Kolak, M., **Fitzgerald, K.** InspiRing InstRuction: A panel on teaching #rstats for all audiences. Invited panelist, R-Ladies Chicago event, November 2020.

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 & CONSULTING

2019 – 2021   **Lab member,** Statistics for Evidence-Based Policy and Practice (STEPP) Center, Northwestern University

2019   **Graduate Assistant,** Meta-Analysis Training Institute, Loyola University

2018 – 2019   **Consultant / Facilitator**, IES Summer Training Institute: Cluster Randomized Trials, Northwestern University

2018 – 2019   **Statistical Consultant,** Young Research Group, Northwestern University

2017 – 2021   **Graduate Research Assistant,** Institute for Policy Research, Northwestern University

2015 – 2016   **Research Analyst,** Barna Group, Ventura, CA

LEADERSHIP & SERVICE

Volunteer mentoring & consulting
2020 – 2021   **Correspondence Tutor,** Northwestern Prison Education Program
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

Departmental Service
2021 -   **MATH 130 – Introduction to Statistics Coordinator**, Azusa Pacific University
2019 – 2020   **Speaker Series Coordinator**, STEPP Center, Northwestern University

Referee service

Journals:	*Journal of the Association of Christians in the Mathematical Sciences*
	Journal of Research on Educational Effectiveness
Conferences:	*Research Methods Section, Society for 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