KAITLYN G. FITZGERALD
August 2021

Department of Mathematics, Physics, & Statistics kfitzgerald@apu.edu
Azusa Pacific University   katie-fitzgerald.netlify.app

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

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.

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

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

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.,** & Tipton, E. The Meta-Analytic Rain Cloud Plot: A New Approach to Visualizing Clearinghouse Data. Revise & resubmit.

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

2021   **Fitzgerald, K.G.**, & Tipton, E. Pooling sampling variance estimates to improve properties of treatment effect estimators. 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

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

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