

## KAITLYN G. FITZGERALD

November 2020

Department of Statistics  
Northwestern University  
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### EDUCATION

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- 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

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- 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 EXPERIENCE

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- 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 (*Summer, Fall 2019*)

2019	<b>Co-Instructor &amp; Course Designer</b> , Northwestern Prison Education Program, Cook County Department of Corrections Introduction to Social Statistics and Data Literacy ( <i>Summer 2019</i> )
2019	<b>Graduate Assistant</b> , Meta-Analysis Training Institute, Loyola University
2018 – 2019	<b>Coordinated Learning Team (CLT) Instructor* &amp; Individual Tutor</b> , 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	<b>Consultant / Facilitator</b> , IES Summer Training Institute: Cluster Randomized Trials, Northwestern University
2012 – 2015	<b>Teaching Assistant</b> , 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	<b>Supplemental Course Instructor</b> , Olivet Nazarene University, Math Lab

## PUBLICATIONS

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In Press	Schauer, J.M., <b>Fitzgerald, K.G.</b> , 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., <b>Fitzgerald, K.G.</b> , 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., <b>Fitzgerald, K.G.</b> , 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 &amp; Hygiene</i> , 101(3), 654 – 660.

## WORKING PAPERS AND BOOKS

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- 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

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- 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 & PROFESSIONAL EXPERIENCE

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- 2019 – present        **Lab member**, 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**

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### **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