

## KAITLYN G. FITZGERALD

November 2019

Department of Statistics  
Northwestern University  
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Evanston, IL 60208

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### EDUCATION

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|-----------------|--|
| 2021 (expected) | Ph.D. Statistics, Northwestern University, Evanston, IL  |
| 2018            | M.S. Statistics, Northwestern University, Evanston, IL   |
| 2015            | B.S. Mathematics, Olivet Nazarene University, Bourbonnais, IL<br><i>Summa cum laude</i> , University Honors Program Graduate |

### FELLOWSHIPS, HONORS & AWARDS

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| 2017 – 2020 | Pre-doctoral Fellowship, U.S. Institute of Education Sciences,<br>Interdisciplinary Research Training Program in the Education Sciences |
| 2016 – 2017 | University Fellowship, Northwestern University  |
| 2015        | Award for Excellence and Meritorious Work in Mathematics,<br>Olivet Nazarene University; top departmental award                         |

### TEACHING EXPERIENCE

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| 2019 – 2020    | <b>Searle Center for Advancing Learning and Teaching,</b><br>Teaching Certificate Program, Northwestern University   |
| 2018 – present | <b>Department of Statistics,</b> Northwestern University<br>Curriculum development<br>STAT 202: Introduction to Statistics ( <i>Summer, Fall 2019</i> )<br>Teaching Assistant<br>STAT 202: Introduction to Statistics ( <i>Fall 2019</i> )<br>STAT 330: Applied Statistics for Research ( <i>Fall 2018</i> ) |
| 2019           | <b>Northwestern Prison Education Program,</b><br>Cook County Department of Corrections,<br>Co-Instructor & Course Designer<br>Introduction to Social Statistics and Data Literacy ( <i>Summer 2019</i> )   |

- 2018 – 2019      **Department of Athletics**, Northwestern University  
Coordinated Learning Team Instructor & Individual Tutor,  
    STAT 202: Introduction to Statistics (*Winter, Spring, Summer 2019*)  
    STAT 210: Introductory Statistics for the Social Science (*Fall 2018*)  
    STAT 325: Survey Sampling (*Fall 2018*)  
    STAT 350: Regression Analysis (*Winter 2019*)  
    MATH 220: Differential Calculus of One Variable Functions (*Winter 2019*)  
    PSYCH 201: Statistical Methods in Psychology (*Summer 2019*)
- 2018 – 2019      **IES Summer Training Institute: Cluster Randomized Trials**,  
Northwestern University, Consultant / Facilitator
- 2019              **Meta-Analysis Training Institute**, Loyola University  
Graduate Assistant (*Summer 2019*)
- 2012 – 2015      **Department of Mathematics**, Olivet Nazarene University  
Teaching Assistant  
    MATH 103: Mathematics for the Liberal Arts  
    MATH 147: Calculus I  
    MATH 148: Calculus II  
    MATH 241: Statistics  
Supplemental Course Instructor  
    Taught open tutoring sessions in the Math Lab

## **PUBLICATIONS**

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- 2019              Miller, J., **Fitzgerald, K.**, Smith, A., & Young, S. 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**

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- 2019              Ismay, C., Kim, A., Kuyper, A., Tipton, E. & **Fitzgerald, K. G.** Introduction to Statistics and Data Science: A modern dive into R and the tidyverse. [https://nulib.github.io/moderndive\\_book/index.html](https://nulib.github.io/moderndive_book/index.html)
- 2019              Tipton, E., Spybrook, J., **Fitzgerald, K. G.**, Wang, Q., Davidson, C. The Convenience of Large Urban School Districts: A Study of Recruitment Practices in 37 Randomized Trials. Under review.
- 2019              Schauer, J. M., **Fitzgerald, K. G.**, Peko-Spicer, S., Whalen, M., Zejnullahi, R., and Hedges, L. V. The accuracy of large-scale analyses of replication. In preparation.

## CONFERENCE PRESENTATIONS & INVITED TALKS

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- 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                    **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  
Consulted on research projects in anthropology and global health
- 2015 – 2016                    **Research Analyst**, Barna Group, Ventura, CA  
Programmed surveys, analyzed survey data, wrote and edited customized client reports, and conducted database management
- 2015                    **Learning & Analysis Intern**, World Vision International, Washington, DC  
Contributed to a data architecture project, Horizon, designed to improve the efficiency and effectiveness of monitoring and evaluation of relief and development programs in 100 countries
- 2013 – 2015                    **Undergraduate Honors Capstone Thesis**, Olivet Nazarene University  
40-page written thesis of analysis of Barna Group survey data. Presented at the Honors Council of the Illinois Region Spring Student Symposium and Olivet Nazarene University Scholar Week
- 2014                    **Research Assistant Intern**, Barna Group, Ventura, CA  
Compiled data reports, analyzed survey data, and assisted research team in creating surveys and customized client reports

## PROFESSIONAL SERVICE

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### Professional Society Membership

American Statistical Association

Association of Christians in the Mathematical Sciences

Mathematical Association of America

Society for Research on Educational Effectiveness (SREE)

Women in Statistics, Northwestern University

### Referee service

*Journal of the Association of Christians in the Mathematical Sciences*

## RECENT LEADERSHIP & SERVICE

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2017 – 2019	<b>Small Group Coordinator</b> , Graduate Christian Fellowship, Northwestern University
2018 – 2019	<b>Small Group Leader</b> , Graduate Christian Fellowship, Northwestern University
2019	<b>Stewardship Task Force</b> , First Presbyterian Church of Evanston
2018	<b>Volunteer Statistical Consultant</b> , First Presbyterian Church of Evanston Analyzed data and presented insights from congregational survey
2018	<b>Panelist</b> , InterVarsity Ethnic Reconciliation and Justice National Consultation, University of Chicago, May 2018
2017	<b>World Relief Volunteer</b> , First Presbyterian Church of Evanston Member of a World Relief Good Neighbor Team that serves newly arriving refugees