

Maria Tackett

Assistant Professor of the Practice

Box 90251, 118B Old Chemistry Building · Duke University · Durham, NC 27708

☎ 919-684-6097 ✉ maria.tackett@duke.edu | *Updated:* Monday 14th October, 2019

Education

Ph.D. in Statistics 2013 - 2018

University of Virginia

- Dissertation: *Creating Fingerprint Databases and a Bayesian Approach to Quantify Dependencies in Evidence*
- Advisor: Dan Spitzner

M.S. in Statistics 2009 - 2010

University of Tennessee-Knoxville

B.S. in Mathematics 2005 - 2009

University of Tennessee-Knoxville

Academic Appointments

Assistant Professor of the Practice 2018 - present

Duke University, Department of Statistical Science

Teaching Experience

Duke University

- STA 199: Intro to Data Science Fall 2019, Spring 2019
- STA 210: Regression Analysis Fall 2019, Spring 2019, Fall 2018

University of Virginia

- STAT 1100: An Introduction to Statistics Spring 2018, Fall 2017,
Spring 2017, Fall 2016, Spring 2016, Fall 2015, Summer 2015
- STAT 2120: Introduction to Statistical Analysis Summer 2017, Summer 2016

Virginia Commonwealth University

- SLWK 609: Foundations of Research in Social Work Practice Spring 2017

University of Tennessee-Knoxville

- STAT 201: Introduction to Statistics Fall 2010, Spring 2010

Presentations & Posters

1. *Using GitHub and RStudio to Facilitate Authentic Learning Experiences in a Regression Analysis Course*, United States Conference on Teaching Statistics, May 2019. (Poster)

2. *Women in Machine Learning and Data Science*, Duke Machine Learning Day, Durham, NC, March 2019. (Panelist)
3. *Women in Industry*, Duke University Business Oriented Women Meeting, Durham, NC, September 2018. (Panelist)
4. *Teaching Large Classes in Statistics Using Active Learning Spaces*. Innovation in Pedagogy Summit, Charlottesville, VA, May 2016. (Panelist)
5. *Clustering High-Dimensional Categorical Data Using a Bayesian Finite Mixture Model*. Quantitative Collaborative Fellows Poster Session, Charlottesville, VA, April 2017.
6. *Understanding Variability Between Groups of Sequences Using a Bayesian Object-Oriented Data Model*. Joint Statistical Meeting, Seattle, WA, August 2016.
7. *Understanding Object-Oriented Data Using Optimal Matching*. Quantitative Collaborative Fellows Poster Session, Charlottesville, VA, April 2015.

Service to Profession ---

ASA Section on Statistics and Data Science Education, Communications Officer Elect, 2019 (Term: 2020 - 2022)

ASA Section on Bayesian Statistical Science Student Paper Competition Review Committee, 2019

University & Department Service ---

Statistical Science Committee on Departmental Code of Conduct, 2019

ASA DataFest at Duke Co-organizer, 2019

Females Excelling More in Math, Engineering, & Science (FEMMES) Capstone, 2019

Statistical Science Master's Program Admissions Committee, 2019

Statistical Science Major Advisor, 2018 - present

Duke Datathon Judge, 2018

Grants & Fellowships ---

Jump Start Grant, Learning Innovation, Duke University, 2019

National Science Foundation. *Collaborative Research: Accelerating the Pace of Research and Implementation of Writing-to-Learn Pedagogies Across STEM Disciplines* Role: Key Faculty, 2018 - 2020

Active Learning Fellows, Learning Innovation, Duke University, 2019 - 2020

Course Design Institute Fellowship, University of Virginia, 2016

Professional Experience ---

Senior Statistician

2013

Capital One, Richmond, VA

Developed the first generation of statistical models to perform deposit forecasts for Capital One Bank.

Statistician

2011 - 2012

Capital One, Richmond, VA

Designed experiments for mail marketing campaigns in Capital One Bank.

Professional Memberships

American Statistical Association

Center for Statistics and Applications in Forensic Evidence

National Math Alliance Mentor