

# Maria Tackett

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Assistant Professor of the Practice  
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## Education

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**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

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**Assistant Professor of the Practice** 2018 - present  
Duke University, Department of Statistical Science

## Teaching Experience

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### *Duke University*

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

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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**

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American Statistical Association

Center for Statistics and Applications in Forensic Evidence

National Math Alliance Mentor