

# Maria Tackett

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Assistant Professor of the Practice

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

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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

## Professional Experience

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**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.

## Presentations & Posters

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

## Service

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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

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

Statistical Science Major Advisor, 2018 - present

Duke Datathon Judge, 2018

## Honors and Awards

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Graduate Teaching Award Nominee. University of Virginia, 2018.

Course Design Institute Fellowship. University of Virginia, 2016.

Summer Research Fellowship. Department of Statistics, University of Virginia, 2014 - 2017.

## Professional Memberships

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American Statistical Association

Center for Statistics and Applications in Forensic Evidence

National Math Alliance Mentor