

# SUZANNE THORNTON, PhD

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## SUMMARY

A tenure-track statistician with four years of college-level teaching experience who is eager to transition into a profession of practice. Proven leadership skills both within and outside of academia. Strong statistical theorist with good programming background and excellent communication abilities.

## WORK EXPERIENCE

### Assistant professor of statistics

Swarthmore College

Sept 2020 – Present

Swarthmore, PA

- Wrote two original technical papers for a statistics journal and a philosophy of science journal.
- Co-authored three chapters for two forthcoming books on ethical statistical practice and on methods that unify Bayesian, fiducial, and frequentist inference.
- Published several non-technical statistical papers in regarding data equity and ethical statistics/data science practice.
- Designed and taught three undergraduate statistics courses that incorporate ethical reasoning.

### Special government employee

US Census Bureau National Advisory Committee on Racial, Ethnic, and Other Populations

Aug 2022 – Present

Washington, D.C.

- Ascertain the needs and best practices to improve censuses, surveys, operations, and programs.
- Advocate for careful consideration of the collection and analysis of categorical data and for ethical data collection and analysis practices.

### Visiting assistant professor of statistics

Swarthmore College

Oct 2019 – Aug 2020

Swarthmore, PA

- Published and co-authored several non-technical statistical papers in Significance Magazine and AMSTAT News regarding inclusion of LGBT+ populations in statistics and data science.

### Statistical consultant

Office of Statistical Consulting, Rutgers University

Sept 2016 – Aug 2019

New Brunswick, NJ

- Published "Development and validation of a predictive model of drug-resistant genetic generalized epilepsy" in *Neurology* as a result of work with a client at Robert Wood Johnson Hospital.
- Co-authored "Exact inference on the random-effects model for meta-analyses with few studies" in *Biometrics* while working with several consulting clients.

## EDUCATION

### Rutgers, The State University of New Jersey

Doctor of Philosophy in Statistics and Biostatistics

Oct 2019

New Brunswick, NJ

Thesis: Advanced computing methods for statistical inference

### University of Florida

Bachelor of Science in Mathematics and in Statistics

May 2014

Gainesville, FL

Thesis: Geometric ergodicity of Gibbs sampler for a hierarchical random effects model: Re-explained

## PROGRAMMING

- R<sup>1</sup>
- RMarkdown<sup>1</sup>

## TOOLS AND SOFTWARE

- Command Line/Linux<sup>2</sup>
- SQL<sup>2</sup>
- Python<sup>2</sup>

## OTHER

- Statistical modeling<sup>1</sup>
- Academic writing<sup>1</sup>
- LaTeX<sup>1</sup>
- Data visualization<sup>1</sup>
- Non-technical writing<sup>1</sup>
- Git<sup>2</sup>

<sup>1</sup>Expert

<sup>2</sup>Proficient