

SUZANNE THORNTON, PhD

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SUMMARY

A statistician with over 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

- Published two original technical papers for a statistics journal and a philosophy of science journal.
- Published 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 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.
- Published "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

- R¹
- RMarkdown¹

TOOLS AND SOFTWARE

- Command Line/Linux²
- SQL²
- Python²

OTHER

- Statistical modeling¹
- Academic writing¹
- LaTeX¹
- Data visualization¹
- Non-technical writing¹
- Git²

¹Expert

²Proficient