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 ($\geq$**40hr/wk**)   *09/01/20 – Present*
Swarthmore College   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 ($\approx$**1.5hr/wk**)   *08/01/22 – Present*
US Census Bureau National Advisory Committee on Racial, Ethnic, and Other Populations   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 ($\geq$**40hr/wk**)   *09/01/19 – 08/31/20*
Swarthmore College   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 ($\approx$**5hr/wk**)   *09/01/16 – 08/01/19*
Office of Statistical Consulting, Rutgers University   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   *09/01/14 – 10/1/19*
Doctor of Philosophy in Statistics and Biostatistics   New Brunswick, NJ

    Thesis: Advanced computing methods for statistical inference

University of Florida   *09/01/10 – 05/01/14*
Bachelor of Science in Mathematics and in Statistics   Gainesville, FL

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

Programming, Tools, & Software

— R[1]
— RMarkdown[1]
— Command Line/Linux[2]
— SQL[2]
— Python[2]

Other Skills

— Statistical modeling[1]
— Data visualization[1]
— Academic writing[1]
— Non-technical writing[1]
— LateX[1]
— Git[2]

For Federal positions

— US Citizen
— Not registered with Selective Service
— GS-12

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[1]Expert
[2]Proficient