BRIAN N. WHITE

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Education

Ph.D. Student in Statistics and Operations Research, UNC Chapel Hill   August 2020 - Present
Advisor: Richard Smith.

M.A. in Mathematical Statistics, Wake Forest University   May 2020

B.S. in Environmental Studies, minor in Mathematics, UNC Asheville   May 2018

Research Areas

Spatial statistics, extreme value theory and biological/environmental applications of statistics.

Professional Experience

Biostatistician II, Wake Forest School of Medicine, June 2022 - Present
I provide study design advice, grant development services, and analytic support for broad constituencies within the school of medicine and Atrium Wake Forest Baptist

Teaching Experience

Instructional Assistant, UNC Chapel Hill, August 2020 - May 2022
I grade, hold office hours/review-sessions and answer student emails on a weekly basis. I proctor exams as needed.

- Intro to Machine Learning: Fall 2020/Spring 2022
- Methods of Data Analysis: Fall 2021
- Intro to Data Models and Inference: Spring 2021, Summer 2021

Teaching Assistant, Wake Forest University, August 2018 - May 2020
Led two-hour study sessions twice per week. Graded weekly. Proctored final exams.

- Introduction to Regression Data Science: Fall 2019, Spring 2020
- Elementary Probability & Statistics: Spring 2019, Summer 2019
- Calculus with Analytic Geometry: Fall 2018

Tutor, Wake Forest Math and Stats Center, August 2018 - May 2020

Teaching Assistant, UNC Asheville, August 2017 - December 2017.
Led weekly help sessions for the analysis of biological data in R

- Experimental Design, Analysis, and Presentation: Fall 2017

Recent Coursework

UNC Chapel Hill

Applied Statistics I/II (Linear Models/Generalized Linear Models), Statistical Theory I/II (Finite Sample/Asymptotics), Probability I/II (Measure Theoretic), Advanced Machine Learning, Optimization I, Stochastic Modeling I, Object Oriented Data Analysis

Programming Languages

Proficient: SQL, Git, Bash, MATLAB, LaTeX, Python (packages: NumPy, scikit-learn, pandas, Matplotlib),

Intermediate: R (packages: tidyverse, tidymodels, ggplot2, markdown, base R)