BRIAN N. WHITE

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Education

Ph.D. Candidate in Statistics and Operations Research, UNC Chapel Hill   2020 - 2024 (Expected)
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 Interests

Extreme value theory, spatial statistics, statistical machine learning

Teaching Experience

Instructional Assistant, UNC Chapel Hill, August 2020 - Present
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.

- Statistical Models: Fall 2019, Spring 2020
- Introductory Probability and Statistics: Spring 2019, Summer 2019, Spring 2020
- Calculus I: 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

Relevant 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

Wake Forest University
Statistical Learning, Multivariate Statistics, First-Order Methods in Optimization, Generalized Linear Models, Linear Models, Probability, Mathematical Statistics, Measure Theory, Functional Analysis, Introductory Real Analysis, Introductory Abstract Algebra

UNC Ashveille
Caclulus I/II/III, Linear Algebra, Foundations of Mathematics, Introductory Topology, Introductory Numerical Analysis

Programming Languages

Proficient: SQL, Git, Shell, MATLAB, LaTeX

Intermediate: Python (packages: NumPy, scikit-learn, pandas, Matplotlib)

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