

Lewis White

(612) 245-4512 | lewiswhite@bren.ucsb.edu | lewis-r-white.github.io | [GitHub](#) | [LinkedIn](#) | Santa Barbara, CA

EDUCATION

Master of Environmental Data Science, 3.97 GPA (6/23)

Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)

Highlighted Coursework: Working with Environmental Datasets, Modeling Environmental Systems, Data Visualization and Communication, Machine Learning, Environmental Policy Evaluation

Bachelor of Arts in Statistics and Psychology (Cum Laude), 3.71 GPA (6/20)

Carleton College, Northfield, MN

Highlighted Coursework: Bayesian Inference, Applied Regression Analysis, Statistical Inference, Probability, Linear Algebra, Climate Change Geology, Psychology of Prejudice, Behavioral Economics

Leadership/Involvement: Captain of Varsity Tennis Team, Member/Choreographer of EDB Dance Company

PROJECTS

Whose Song is it Anyway?: Machine Learning Course Project (2/23–3/23)

Applied various machine learning techniques (KNN, bagged decision trees, random forests) to predict whether a song was in my Spotify “Liked tracks” or another classmates, then compared the performance of each model.

Modeling Asthma Hospitalizations: Statistics Course Project (10/22–12/22)

Conducted multiple linear regression to analyze the relationship between air quality and asthma related hospitalizations in California and applied a t-test to examine the effect of wildfires.

Survival Analysis: Senior Thesis at Carleton College (1/20–6/20)

Applied Cox proportional hazard models and Weibull accelerated failure time models to analyze how various demographic/behavioral factors affect when United States citizens will first try recreational drugs.

Statistical Consultant for City of Northfield: Consulting Course at Carleton College (1/18–4/18)

Provided evidence that Northfield did not need to build a new parking lot by taking an inventory of available parking spots, checking usage, and conducting a binomial analysis predicting parking availability at given times.

EXPERIENCE

Data Analyzation Specialist and Communications Manager – Master’s Capstone Project (1/23–Present)

Climate Futures for Ecohydrological Modeling of Emerging Fire Regimes in Central Coast California

- Created a workflow in R Markdown that uses complex regional climate data to streamline the process of constructing climate scenarios for California.
- Created public facing visualizations of both likely and extreme climate scenarios that allow community members and relevant stakeholders to better understand our changing ecosystem.
- Developed a Shiny app that allows users to construct climate scenarios, visualize them, and generate daily values of climate variables that can be put directly into RHESSys (an eco-hydrological model).

Research Advisor – dscout, Chicago, IL (6/20–7/22)

- Crafted survey designs, managed complex longitudinal projects, and provided problem solving support throughout the entire research process for clients at companies such as Nike, Verizon, and Microsoft.
- Designed, ran, and analyzed original research to determine how people can better support the LGBTQIA+ community. Published [research](#) in dscout’s *People Nerds* blog and shared with researchers worldwide.

SKILLS & ADDITIONAL EXPERIENCE

Languages: R, Python, SPSS, familiar with SQL and BASH

Environments: RStudio, Jupyter, Microsoft Office Suite, Tableau, VS Code, GitHub, Slack, Figma, Trello

Technical: Data Visualization, Machine Learning, Regression Analysis, Bayesian Statistics, Survey Design

Courses/Trainings/Workshops: The Art of Data Visualization (NYU Online Course), Teach me how to Google

Additional Experience: Account Management Intern – BBDO Worldwide, NY (6/19–8/19); Strategy Intern – Zeus Jones, MN (6/18–8/18); Consulting Intern – Turnlane, MN (6/17–8/17); Tennis Coach (6/14–Present)