

# Lewis White

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## EDUCATION

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**Master of Environmental Data Science**, 3.92 GPA (Expected 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 (all to be completed by 6/23)

**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

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**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

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**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*

- Constructing climate scenarios using spatial downscaling techniques and analyzing these scenarios based on their probabilities and implications for future fire regimes.
- Creating public facing visualizations of both likely and extreme climate scenarios that allow community members and relevant stakeholders to better understand our changing ecosystem.
- Developing 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

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**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)