

Lewis White

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Mixed-methods researcher and data analyst with expertise in survey design, statistical analysis, and behavioral insights. Passionate about using data to inform strategy, improve experiences, and drive impact.

PROFESSIONAL EXPERIENCE

Data Analyst – Columbia University Mailman School of Public Health (9/23–Present)

GasPay Project: Partnered with a Ghanaian software consultancy and fintech firm to develop GasPay, a platform connecting LPG consumers and suppliers in Ghana, testing incentive structures and optimizing platform features.

- Designed and implemented randomized controlled trials (RCTs) in collaboration with project leaders and research partners to evaluate incentive structures and user engagement on the GasPay platform. Integrated survey data with app user data retrieved via API to uncover user insights.
- Designed and analyzed baseline and endline surveys for GasPay pilot studies, collecting key data on participant demographics, cooking fuel use, financial behaviors, and mobile money attitudes to refine platform features.
- Integrated survey data with app user data retrieved via API to uncover user insights.
- Leading data analysis for an evaluation of Ghana's National LPG Promotion Program, assessing LPG adoption patterns across demographic groups and testing the impact of GasPay access, in collaboration with Ghana's Ministry of Energy.

Ghanaian Community Air Quality Assessment

- Researched the impact of cooking on community air pollution, identifying a significant increase in pollution levels during morning and evening cooking hours.
- Developed a quality control workflow to monitor and flag offline monitors, improving data integrity.

Maternal Mental Health and Extreme Heat Analysis

- Applied advanced statistical modeling (multiple regression, distributed lag models, causal mediation) to assess how heat exposure affects mental health outcomes and sleep quality in pregnant women and mothers in Ghana.

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

- Supported clients in applying UX research techniques across generative (diary studies, ethnography, IDIs, surveys), evaluative (usability testing, concept testing, A/B testing), and rapid iteration (agile feedback loops, quick-turnaround studies) phases to optimize user experiences.
- Crafted survey designs, managed complex longitudinal projects, and provided problem solving support throughout the entire research process for clients from companies including Nike, Accenture, 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.
- Advised over 35 accounts on maximizing dscout's research platform for survey insights.

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: Data Visualization and Communication, Machine Learning, Working with Environmental Datasets, Modeling Environmental Systems, 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

SKILLS & ADDITIONAL EXPERIENCE

Languages: R, Python, SPSS, familiarity 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)

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); Pickleball Coach – Swell Athletic Club (8/23–Present)