

Graham Buhrman

DOCTORAL STUDENT

Educational Sciences 1025 W Johnson Street

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Research Interests

As a doctoral student, I am interested in further developing my research interests and honing my data analysis skills. Currently, I am curious about the applications of machine learning to causal inference in the social and behavioral sciences, and in the impacts of missing data on estimation of causal effects from observational data.

Education

University of Wisconsin-Madison

PHD IN EDUCATIONAL PSYCHOLOGY: QUANTITATIVE METHODS

Madison, WI

2022 - Present

North Carolina State University

BS IN INTERDISCIPLINARY STUDIES

Raleigh, NC

2018 - 2022

- Summa Cum Laude
- Phi Beta Kappa
- Minor in Statistics

Professional Experience

University of Wisconsin-Madison

WISCONSIN CENTER FOR EDUCATIONAL RESEARCH, RESEARCH ASSISTANT

Madison, WI

Sep 2022 - Present

- Advised by Dr. Jee-Seon Kim

North Carolina State University

PROVOST'S PROFESSIONAL EXPERIENCE, PEP SCHOLAR

Raleigh, NC

Aug 2021 - May 2022

- Advised by Dr. Vanessa Volpe

North Carolina State University

THE HOPE LAB, RESEARCH ASSISTANT

Raleigh, NC

Jun 2021 - Aug 2021

- Advised by Dr. Elan Hope

North Carolina State University

UNIVERSITY HONORS AND SCHOLARS PROGRAM, FELLOW

Raleigh, NC

Aug 2019 - Nov 2020

- Advised by Dr. Scott O'Leary and Anne Auten

Research Experience

University of Wisconsin - Madison

RISE IOWA, DATA ANALYST

Madison, WI

August 2022 - Present

- Worked with Dr. Jee-Seon Kim and Victor Feagins
- Analyzed and summarized survey data for addiction treatment training intervention

North Carolina State University

HONORS CAPSTONE, PRIMARY INVESTIGATOR

Raleigh, NC

Jan 2021 - May 2022

- Worked with Dr. Vanessa Volpe
- Developed IRB protocol
- Constructed survey and eligibility screeners
- Collected, analyzed, and reported findings from data

North Carolina State University

BLACK HEALTH LAB, SENIOR RESEARCH ASSISTANT

Raleigh, NC

Jan 2020 - May 2022

- Worked with Dr. Vanessa Volpe
- Trained junior research assistants
- Collected data from human subjects experimentation
- Contributed to and proposed scholarly articles

North Carolina State Univeristy

SENGUPTA LAB, RESEARCH ASSISTANT

- Worked with Dr. Srijan Sengupta
- Collaborated with clinic and corporate stakeholders
- Constructed a multi-classification model for radiation oncology treatment errors
- Contributed to manuscript of process and findings

Raleigh, NC

Jan 2021 - Aug 2021

University of North Carolina at Chapel Hill

CAROLINA INSTITUTE FOR DEVELOPMENTAL DISABILITY, PSYCHOLOGY INTERN

- Worked with Dr. Jean Mankowski
- Observed patients and practitioners in clinical settings
- Coded and prepared results from psychometric evaluations
- Worked with a team of clinicians to diagnose and prepare treatment plans for patients

Chapel Hill, NC

May 2019 - Jun 2019

Manuscripts

1. Neukrug, H., Benson, G. P., Buhrman, G. W., & Volpe, V. V. (2022). Affect reactivity and lifetime racial discrimination among Black college students: The role of coping. *American Journal of Orthopsychiatry*, 92(4). <https://doi.org/10.1037/ort0000630>

Poster Presentations

Interdisciplinary Studies Senior Presentations

STRESS FROM HATEFUL ANTI-BLACK TWITTER CONTENT AND THE MENTAL HEALTH OF BLACK YOUNG ADULT TWITTER USERS,
THE ROLE OF ONLINE SOCIAL SUPPORT

Raleigh, NC

May 2022

Awards and Achievements

University of Wisconsin - Madison

INTERDISCIPLINARY TRAINING PROGRAM IN EDUCATION SCIENCES, FELLOW

- Granted to doctoral students pursuing research in education with a focus on policy translation and causal inference
- Amount: \$34,000 annual stipend and \$2,000 annual travel funds

Sep 2022 - Present

North Carolina State University Honors and Scholars Program

RICHARD L. BLANTON OUTSTANDING CAPSTONE AWARD

- Granted to graduating undergraduates in the Honors and Scholars Program whose Honors Capstones are deemed exemplary
- Amount: \$250

2022

North Carolina State University

CALDWELL FELLOWSHIP

- Granted to undergraduates displaying an interest in service-learning and self-growth
- Amount: \$7,500 annually for tuition and experiential learning

2019 - 2022

North Carolina State University Honors and Scholars Program

SUMMER TRAVEL/RESEARCH AWARD

- Granted for Honors Capstone research
- Amount: \$1,000

2021

North Carolina State University Office of Undergraduate Research

SUMMER RESEARCH AWARD

- Granted for Honors Capstone research
- Amount: \$2,000

2021

North Carolina State University

JAMES F. KELLY SCHOLARSHIP

- Granted to undergraduate students pursuing dual degrees in engineering and humanities and social sciences
- Amount: \$350

2019 - 2020

Relevant Skills

Programming: Python, R, SAS, HTML/CSS

Data Analysis: Processing/Cleaning, Visualization, Modelling, Inference, Communication