




Tim White



✉ twhit@umich.edu  [timwhite18](https://github.com/timwhite18)  [timwhite0.github.io](https://github.com/timwhite0)  [timwhite0](https://github.com/timwhite0)

Education



University of Michigan	2022 - Present
Ph.D. in Statistics	Ann Arbor, MI
Advisor: Jeffrey Regier	GPA: 3.91
University of Minnesota	2018 - 2022
B.S. in Statistical Science, <i>summa cum laude</i>	Minneapolis, MN
Secondary Major in Economics (Quantitative Emphasis), Minor in Mathematics	GPA: 4.00

Publications

JOURNAL PAPERS

Tim White and Sara Algeri (2023). Estimating the lifetime risk of a false positive screening test result. *PLoS ONE*, 18(2), e0281153.  [Manuscript](#)  [Code](#)

CONFERENCE PAPERS

Tim White and Jeffrey Regier (2023). Sequential Monte Carlo for detecting and deblending objects in astronomical images. *NeurIPS Workshop on Machine Learning and the Physical Sciences*.  [Manuscript](#)  [Code](#)

Presentations

ORAL

March 2024 [Sequential Monte Carlo for detecting and deblending objects in astronomical images](#). Michigan Student Symposium for Interdisciplinary Statistical Sciences. Ann Arbor, MI.

August 2022 [Estimating the lifetime risk of a false positive screening test result](#). Joint Statistical Meetings. Washington, DC.

POSTER

December 2023 [Sequential Monte Carlo for detecting and deblending objects in astronomical images](#). NeurIPS Workshop on Machine Learning and the Physical Sciences. New Orleans, LA.

Other projects

Tim White (2024). [Sequential Monte Carlo for probabilistic cell detection in microscopy images](#). BIOSTAT 882 final project, University of Michigan.

Jaylin Lowe and **Tim White** (2024). [Waste-free sequential Monte Carlo for light source detection in astronomical images](#). STATS 608 final project, University of Michigan.

Jaylin Lowe, Gabriel Patron, and **Tim White** (2023). [Forecasting the weather with deep learning](#). STATS 604 project #4, University of Michigan.

Xuanyu Chen, Gabriel Patron, and **Tim White** (2023). [Did machine learning reveal symbolism, emotionality, and imaginativeness as primary predictors of creativity?](#) STATS 604 project #3, University of Michigan.

Tim White (2023). [Analyzing mortality and its determinants among individuals with type 1 and type 2 diabetes](#). STATS 601 final project, University of Michigan.

Software

Tim White (2022). MLBDash. <https://twhit.shinyapps.io/MLBDash>

Tim White (2021). The False Positives Calculator. <https://falsepositives.shinyapps.io/calculator>

Work experience

Undergraduate Research Assistant, IPUMS International **January 2019 - May 2022**
Minnesota Population Center Minneapolis, MN

Intern, Population and Development Branch **September 2021 - March 2022**
United Nations Population Fund New York, NY (remote)

Teaching experience

Department of Statistics, University of Michigan **August 2022 - Present**
Graduate Student Instructor Ann Arbor, MI

Winter 2024 STATS 415: Data Mining and Statistical Learning

Fall 2023 STATS 401: Applied Statistical Methods II

Winter 2023 STATS 306: Introduction to Statistical Computing

Fall 2022 STATS 250: Introduction to Statistics and Data Analysis

Service and mentorship

Graduate Tutor **January 2024 - Present**
Department of Statistics, University of Michigan Ann Arbor, MI

Graduate Mentor **January 2024 - May 2024**
Undergraduate Research Program in Statistics, University of Michigan Ann Arbor, MI

Datathon Judge **March 2024**
Hosted by Michigan Undergraduate Students of Statistics, University of Michigan Ann Arbor, MI

Data Analyst **September 2019 - May 2022**
College of Liberal Arts Student Board, University of Minnesota Minneapolis, MN

Strategy Consultant **September 2019 - December 2019**
180 Degrees Consulting, University of Minnesota Minneapolis, MN

Honors and awards

Best oral presentation, applications session. Michigan Student Symposium for Interdisciplinary Statistical Sciences. Spring 2024.

Emerging Researcher Award. Department of Statistics Visit Day, University of Michigan. Spring 2024.

Buehler Memorial Undergraduate Award. School of Statistics, University of Minnesota. Spring 2022.

Honorable mention, ASA student paper competition. American Statistical Association, Section on Medical Devices and Diagnostics. Spring 2022.

J. Robert and Marilyn C. Roach Endowed Scholarship in Economics. Department of Economics, University of Minnesota. Fall 2020 - Spring 2021.

College of Liberal Arts Dean's List. University of Minnesota. Fall 2018 - Spring 2022.