Tim White

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Education

University of Michigan **2022 - Present**
Ph.D. in Statistics Ann Arbor, MI
Advisor: Jeffrey Regier GPA: 3.90

University of Minnesota **2018 - 2022**
B.S. in Statistical Science, *summa cum laude* Minneapolis, MN
Secondary Major in Economics (Quantitative Emphasis) GPA: 4.00
Minor in Mathematics

Work experience

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

United Nations Population Fund **September 2021 - March 2022**
Intern, Population and Development Branch 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

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

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.

Software

Tim White (2022). MLBdash. https://twhit.shinyapps.io/MLBdash (currently offline for offseason maintenance)

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

Other projects

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.

Tim White (2023). Efficient initialization of the EM algorithm for Gaussian mixture models. STATS 606 final project, University of Michigan.

Tim White (2022). A resampling technique for massive data in settings of bootstrap inconsistency. Undergraduate honors thesis, University of Minnesota.

Volunteer experience

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

Department of Applied Economics, University of Minnesota — **May 2020 - August 2020**
Undergraduate Research Assistant — Minneapolis, MN

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

Honors and awards

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.

Gold Scholar Award. University of Minnesota. Fall 2018 - Spring 2022.

Technical skills

- `C++`
- `Git`
- LaTeX
- `Python`
- `R`
- `SQL`