Erin Franke

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efranke22.github.io
Last Update: May 2025

Education

Ph.D. in Statistics 2024-2029 *(expected)*
Carnegie Mellon University, Pittsburgh, PA

B.A. in Statistics, Minors in Computer Science, Economics 2023
Macalester College, Saint Paul, MN

- Graduated *summa cum laude*
- Honors Thesis: Gentrification and Crime in the Twin Cities: Insights and Challenges through a Statistical Lens

Work Experience

Statistical Programmer June 2023 - July 2024
Mayo Clinic, Rochester, MN

- Applied knowledge and techniques in data management, programming with R and SAS, statistics and bioinformatics, and workflow management to advance Chronic Lymphocytic Leukemia research.

Baseball Research Fellow Summer 2022
Minnesota Twins, Minneapolis, MN

- Worked on the Player Development team to analyze baseball strategy using statistical methods.

Research Assistant Summer 2021
Carnegie Mellon University, Pittsburgh, PA

- Selected as part of a 15 person cohort for summer research in statistics and data science related to sports analytics.

Teaching Experience

Teaching Assistant
Carnegie Mellon University

- Carnegie Mellon Sports Analytics Camp (SURE) Summer 2025
- 36-236: Probability and Statistical Inference II Spring 2025
- 36-401: Modern Regression Fall 2024

Macalester College

- STAT/COMP 112: Introduction to Data Science Fall 2022, Spring 2023
- STAT 253: Statistical Machine Learning Spring 2022
- STAT 155: Introduction to Statistical Modeling Spring 2021, Fall 2021
- COMP 123: Core Concepts in Computer Science Fall 2020

Publications

1. Boddicker, N. J., Griffin, R., **Franke, E. G.**, Achenbach, S. J., Rabe, K. G., Olson, J. E., O'Brien, D. R., Norman, A., Ma, T., Call, T. G., Hoel, M. S., Braggio, E., Hampel, P. J., Hanson, C. A., Cerhan, J. R., Vachon, C. M., Parikh, S. A., Shanafelt, T. D., & Slager, S. L. (2024). Examining two hematologic precursors and their impact on incident lymphoid malignancies. Journal of Clinical Oncology, 42 (16suppl), 7011–7011. [Link]

Presentations

1. **Franke, E.** & Colando, S. "Computational Efficiency of R's data.table Package". Statbytes, Carnegie Mellon University. March 2025.

Grants

2. **Franke, E.** & Colando, S. Travel Grant. 2025
   Amount: $500
   Funder: Carnegie Mellon University Department of Statistics and Data Science—Statbytes.

1. **Franke, E.** & Colando, S. data.table Ambassador Travel Grant. 2025
   Amount: $2,700
   Funder: National Science Foundation (Award Abstract #2303612)

Service

Carnegie Mellon University Department of Statistics & Data Science

- TeachStat Working Group 2024-
- Undergraduate Mentor 2024-
- Open House Committee 2024-

Macalester College

- Co-Founding Member of Data Science for Social Good 2021-2023

Honors & Awards

Macalester College

- Kaplan Prize in Data Science 2023
- DeWitt Wallace Distinguished Scholarship 2019-2013

Other Activities

Macalester College

- Department of Mathematics, Statistics, and Computer Science Office Assistant 2021-2023
- Student Athlete: Cross Country and Track & Field 2021-2023
- Student Athlete: Softball 2019-2021

Skills

R, GitHub, SQL, LaTeX, Quarto