Erin Franke

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efranke22.github.io
Last Update: June 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
  Co-Guest lectured four sessions
- 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	3. **Franke, E.** & Colando, S. Analyzing Statistics Students' Writing Before and After the Emergence of Large Language Models. United States Conference on Teaching Statistics. Ames, IA. July 2025. (Poster)

2. **Franke, E.** & Colando, S. Teaching Data Cleaning and Wrangling with R's `data.table` Package. United States Conference on Teaching Statistics. Ames, IA. July 2025. (Poster and Beyond)

1. **Franke, E.** & Colando, S. Computational Efficiency of R's `data.table` Package. Statbytes, Carnegie Mellon University Department of Statistics & Data Science. Pittsburgh, PA. 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

Professional Service
- ASA K-12 Data Visualization Poster Competition Judge   2025

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

Carnegie Mellon University
- Passed Ph.D. Data Analysis Exam with Distinction   2025

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

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