

ERIN FRANKE

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efranke22.github.io

Last Update: December 2025

EDUCATION	Ph.D. in Statistics Carnegie Mellon University, Pittsburgh, PA	2024-2029 (<i>expected</i>)
	B.A. in Statistics, Minors in Computer Science, Economics Macalester College, Saint Paul, MN <i>Graduated summa cum laude</i>	2023
WORK EXPERIENCE	Statistical Programmer Mayo Clinic, Rochester, MN	June 2023 - July 2024
	<ul style="list-style-type: none">Applied knowledge and techniques in data management, programming with R and SAS, statistics and bioinformatics, and workflow management to advance Chronic Lymphocytic Leukemia research.	
TEACHING EXPERIENCE	Baseball Research Fellow Minnesota Twins, Minneapolis, MN	Summer 2022
	<ul style="list-style-type: none">Worked on the Player Development team to analyze baseball strategy using statistical methods.	
	Research Assistant Carnegie Mellon University, Pittsburgh, PA	Summer 2021
	<ul style="list-style-type: none">Selected as part of a 15 person cohort for summer research in statistics and data science related to sports analytics.	
PUBLICATIONS	Teaching Assistant Carnegie Mellon University	
	<ul style="list-style-type: none">36-617: Applied Linear Models & 36-707: Regression AnalysisCarnegie Mellon Sports Analytics Camp (SURE) <i>Co-Guest lectured four sessions</i>36-236: Probability and Statistical Inference II36-401: Modern Regression	<p>Fall 2025 Summer 2025 Spring 2025 Fall 2024</p>
	Macalester College	
	<ul style="list-style-type: none">STAT/COMP 112: Introduction to Data ScienceSTAT 253: Statistical Machine LearningSTAT 155: Introduction to Statistical ModelingCOMP 123: Core Concepts in Computer Science	<p>Fall 2022, Spring 2023 Spring 2022 Spring 2021, Fall 2021 Fall 2020</p>
	<p>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. <i>Journal of Clinical Oncology</i>, 42 (16suppl), 7011–7011. [Link]</p>	

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

- Undergraduate Statistics Project Competition (USPROC) Judge 2025
- ASA K-12 Data Visualization Poster Competition Judge 2025

Carnegie Mellon University Department of Statistics & Data Science

- CMSAConference Paper & Poster Competition Judge 2025
- Undergraduate Mentor 2024-
- Open House Committee 2024-
- TeachStat Working Group 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