

ERIN FRANKE

efranke@andrew.cmu.edu

[efranke22.github.io](https://github.com/efranke22)

Last Update: July 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 <ul style="list-style-type: none">Graduated <i>summa cum laude</i>Honors Thesis: Gentrification and Crime in the Twin Cities: Insights and Challenges through a Statistical Lens	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.	
	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.	
TEACHING EXPERIENCE	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.	
	Teaching Assistant Carnegie Mellon University	
	<ul style="list-style-type: none">Carnegie Mellon Sports Analytics Camp (SURE) <i>Co-Guest lectured four sessions</i>	Summer 2025
	<ul style="list-style-type: none">36-236: Probability and Statistical Inference II	Spring 2025
	<ul style="list-style-type: none">36-401: Modern Regression	Fall 2024
	Macalester College	
PUBLICATIONS	<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	Fall 2022, Spring 2023 Spring 2022 Spring 2021, Fall 2021 Fall 2020
	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]	

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 <code>data.table</code> Package. United States Conference on Teaching Statistics. Ames, IA. July 2025. (Poster and Beyond)	
	1. Franke, E. & Colando, S. Computational Efficiency of R's <code>data.table</code> Package. Statbytes, Carnegie Mellon University Department of Statistics & Data Science. Pittsburgh, PA. March 2025.	
GRANTS	2. Franke, E. & Colando, S. Travel Grant. Amount: \$500 Funder: Carnegie Mellon University Department of Statistics and Data Science—Statbytes.	2025
	1. Franke, E. & Colando, S. <code>data.table</code> Ambassador Travel Grant. Amount: \$2,700 Funder: National Science Foundation (Award Abstract #2303612)	2025
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	
	• 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	