Ethan Pawl

Department of Statistics
University of California, Santa Cruz
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Education

University of California, Santa Cruz
Ph.D., Statistical Science, expected June 2028

Co-Advisors: Dr. Sangwon Hyun
Dr. Paul Parker

University of Texas at Dallas, Richardson, TX
B.S., Data Science, May 2023

Experience

Data Science Intern
Summer 2025

Lawrence Livermore National Laboratory
Data Science Summer Institute

Data Analyst Intern
Summer 2022

Ericsson, Lewisville, TX
Data & Analytics

Technical Skills

Statistical: Mixture Models, Generalized Linear Models, Nonparametric/Machine Learning Methods, Markov Chain Monte Carlo, R Packages
Languages: R, Python, SQL, C++, LaTeX
Misc.: GNU/Linux, Bash, Slurm

Publications

Pawl, E., Ribalet, F., Parker, P.A., and Hyun, S. (2025). Mixtures of Neural Network Experts with Application to Phytoplankton Flow Cytometry Data. Under review by *Environmetrics*. Preprint available at arXiv:2507.01375.

Posters & Presentations

"Clustering Flow Cytometry Data via Mixtures of Neural Network Experts," Poster Session, *Simons Collaboration on Biogeochemial Modeling of Marine Ecosystems (CBIOMES) Annual Meeting*, New York, NY, June 2025.

"Latitude-Specific Effects of Environmental Conditions upon Phytoplankton Populations," Student ePoster Competition, *American Association for the Advancement of Science Annual Meeting*, Boston, MA, February 2025.

"Literate Programming for Data-Driven Instruction," Invited Talk, Interdisciplinary Fellows, Educational Group for Enrichment in Data Science, Santa Cruz, CA.

Awards

Joint Statistical Meetings Student Travel Award 2025
San Francisco Bay Area Chapter

Research Assistantship

Teaching Materials Developer **University of California, Santa Cruz**
Summer 2024 PI: Dr. Pedro Morales-Almazan

Teaching Assistantship

STAT 131: Introduction to Probability Theory University of California, Santa Cruz
Spring 2025 Instructor: Yunan Wang

STAT 80A: Gambling and Gaming University of California, Santa Cruz
Winter 2025 Instructor: Yik Lun Kei

STAT 132: Classical and Bayesian Inference University of California, Santa Cruz
Fall 2024 Instructor: Yik Lun Kei

STAT 80B: Data Visualization University of California, Santa Cruz
Fall 2024 Instructor: Sangwon Hyun

STAT 7: Statistical Methods for the Biological, University of California, Santa Cruz
Environmental, and Health Sciences Instructor: Jizhou Kang
Summer 2024

STAT 5: Statistics University of California, Santa Cruz
Winter 2024 Instructor: Dee Martin

STAT 5: Statistics University of California, Santa Cruz
Fall 2023 Instructor: Dee Martin