Olivia Frazier

2438 Osborn Dr, Ames, IA 50014
ofrazier@iastate.edu

Education

Ph.D. in Statistics and Economics 2024–Present
Iowa State University

M.S. in Data Science 2023
University of Iowa

B.S. in Mathematical Economics and Political Science 2022
University of Richmond

Research Interests

Survey Statistics, Small Area Estimation, Causal Inference, Food Security and Poverty Alleviation, Applied Econometrics, Labor and Public Economics

Publications

Sinclair, G., Charest, N., Wetmore, B. A., **Frazier, O.**, Fisher, H. A., and Tornero-Velez, R. (2025). *Prediction of Fraction Unbound in Human Plasma for Per- and Polyfluoroalkyl Substances. Journal of Chemical Information and Modeling.*

Work Experience

Graduate Research Assistant May 2026–Present
Mathematical Economics Textbook Project

Graduate Research Assistant Jan 2025–Present
Center for Survey Statistics and Methodology, Iowa State University

Exposure Chemical Modeling Technician Jan 2023–May 2023
Environmental Protection Agency

Research Data Scientist May 2023–Dec 2023
SportsMedia Technology

Research Experience

Beef Supply Chain Shocks and Food Insecurity Research Aug 2025–Present
With Cindy Yu and David Hennessy

U.S. Wheat Associates Survey Statistics Consulting Nov 2025–May 2026
Center for Survey Statistics and Methodology

Bureau of Land Management Rangeland Survey Estimation Jan 2025– Sept 2025
Center for Survey Statistics and Methodology

Teaching Experience

Teaching Assistant, Exploratory Data Analysis Aug 2024–Dec 2024
Iowa State University

Teaching Assistant, Applied Linear Regression Aug 2023–Dec 2023
University of Iowa

Teaching Assistant, Statistics for Business Jan 2023–May 2023
University of Iowa

Athletics Mathematics Tutor Aug 2019–May 2022
University of Richmond

Independent Research

Member, CEIDS, WASH Research Group May 2026–Present
University of Notre Dame, Kellogg Institute for Global Affairs

Member, OpportUNITY Food Insecurity Work Group May 2026–Present
United Way Central Iowa

Food Security Challenge Participant 2024
Iowa State University

Volunteer Data Analyst, Field Hockey Team 2023
University of Iowa

Member, Asia-Pacific Research Team, ETF Fund 2020–2021
University of Richmond

Leadership Experience

Co-Social Chair, STAT-ers Graduate Student Association 2025–Present
Iowa State University

President, Building Relationships in Christ Soteria 2025–Present
Iowa State University

President, Sports Analytics Club 2024–2025
Iowa State University

First Year Graduate Student Representative, STAT-ers 2024–2025
Iowa State University

Atlantic Ten Conference Liaison 2020–2022
University of Richmond

Service and Volunteering

Volunteer Middle School/High School Youth Leader 2025–Present
Body of Christ Church, Ames, IA

Volunteer and Data Consultant 2024–2025
The Bridge Home, Ames, IA

Volunteer 2024–2025
Food at First, Ames, IA

Mentor 2024–2025
Letters to a Pre-Scientist

Awards and Honors

Vera David Fellowship Recipient 2025
Iowa State University
Awarded to a high-achieving first-year female graduate student based on academic excellence

Big Ten Distinguished Scholar 2023
University of Iowa

NCAA Division I Student-Athlete (Field Hockey) 2022
University of Iowa

Selected to USA Field Hockey Developmental Training Camp 2022

Betty Ann Dillon Award Winner 2022
University of Richmond

Atlantic Ten Commissioner's Honor Roll 2018–2022
University of Richmond

Scholar Athlete Award 2018–2022
University of Richmond

NCAA Division I Student-Athlete (Field Hockey) 2018–2022
University of Richmond

Second Team All-Atlantic Ten (Field Hockey) 2022
University of Richmond

All Virginia NCAA Team (Field Hockey) 2021
University of Richmond

First Team All-Atlantic Ten (Field Hockey) 2021
University of Richmond

Player of the Week, Atlantic Ten Conference (Field Hockey) 2021
University of Richmond

Dean's List 2018–2019
University of Richmond