

CAMERON GUAGE

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EDUCATION

Dartmouth College, Hanover, NH **June 2022**
GPA 3.95/4.00
Bachelor of Arts, Double major in Mathematics and Quantitative Social Science (Focus in Government)

Awards: *Summa Cum Laude, Phi Beta Kappa, Rufus Choate Scholar, James O. Freedman Presidential Scholar, Sophomore Research Scholar, Jack Byrne Scholar*

Columbia University, New York, NY **September 2024-November 2024**
Ph.D. Candidate in Economics

WORK EXPERIENCE

Stanford RegLab, Stanford, CA **August 2022-July 2024**
Research Fellow (Computational Science)

- Undertook collaborative research at the intersection of public policy and quantitative methods on a number of projects (links to manuscripts below):
 - Presenting a novel ecological inference approach and applying it to estimate vaccination rate disparities by political party affiliation
 - Supplying data for an augmented racial imputation tool with an eye toward disparity estimation involving Asian American subgroups
 - Investigating racial disparities in Internal Revenue Service audit rates

U.S. Department of Labor (DOL) Summer Data Challenge (H-2A Oversight), Hanover, NH **June 2021-May 2022**
Data Scientist

- Lead student data scientist on team funded by DOL Summer Data Challenge on Equity and Underserved Communities
- Used R and Python for data processing tasks with large-scale administrative data on (1) universe of agricultural employers, (2) compliance actions against those employers, and (3) issues reported to local legal services provider (Texas RioGrande Legal Aid)
- Tasks included: fuzzy/probabilistic record linkage using R's fastLink, visualization using ggplot2, and data preprocessing in Python for use in supervised machine learning models
- Used LaTeX/Overleaf for manuscript preparation, including DOL-requested 508 compliance edits on plain language explanations of complex figures (link to full policy report below)

James O. Freedman Presidential Scholar, Hanover, NH **September 2020-June 2021**
Research Assistant

- Developed Stata skills to analyze survey data about the relationship between race and student debt
- Created tables of descriptive statistics to present findings to Professor Jason Houle for his Harvard Education Press book-in-progress

Electoral Work with Professor Michael Herron, Hanover, NH **January 2020-September 2020**
Research Assistant

- Researched databases of prominent Montanan newspapers for instances of voter fraud and reviewed court documents in support of defendant's expert witness Michael Herron in the Montana District Court case *Trump v. Bullock*
- Separately, categorized ballots from real elections

Fu Lab, Hanover, NH **December 2019-March 2020**
Independent Researcher

- Used game theory to model voters' motivations under Professor Feng Fu
- Performed the research process from brainstorming to writing the first draft of and revising the academic publication (link to manuscript below)

PUBLICATIONS

Peer-Reviewed Journal Publications

- Hadi Elzayn, Jacob Goldin, Cameron Guage, Daniel E. Ho, and Claire Morton, "[Monotone Ecological Inference](#)" *Political Analysis* (2026)
- Qiwei Lin, Derek Ouyang, Cameron Guage, Isabel O. Gallegos, Jacob Goldin, and Daniel E. Ho, "[Enabling data disaggregation of Asian American subgroups: a dataset of Wikidata names for disparity estimation](#)" *Scientific Data* (2025)

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- Hadi Elzayn, Evelyn Smith, Thomas Hertz, Cameron Guage, Arun Ramesh, Robin Fisher, Daniel E. Ho, and Jacob Goldin, “Measuring and Mitigating Racial Disparities in Tax Audits” *The Quarterly Journal of Economics* (2025)
- Reilly Olinger, ..., Cameron Guage, and Charles Crabtree, “Americans do not select their doctors based on race” *Frontiers in Sociology* (2024)
- Charles Crabtree, Jae Yeon Kim, S. Michael Gaddis, John B. Holbein, Cameron Guage, and William W. Marx, “Validated names for experimental studies on race and ethnicity” *Scientific Data* (2023)
- Cameron Guage and Feng Fu, “Asymmetric Partisan Voter Turnout Games” *Dynamic Games and Applications* (2021)

Policy Reports

- Rebecca A. Johnson, Elizabeth Shackney, Cassie Davis, Grant Anapolle, Yuchuan Ma, You-Chi Liu, and Cameron Guage, “Can we Use Local Outreach to Improve Equity in Federal Oversight? A Case Study with the H-2A Visa Program” (2021)

LEADERSHIP & ACTIVITIES

Dartmouth Rugby Football Club: Practiced and played intercollegiate matches for three years, social media co-chair for one

The Dandelions: Co-founded student band that played rock covers at Dartmouth and elsewhere in the Northeast ([link](#))

Theta Delta Chi: Four-term Safety and Wellness Chair for my fraternity

Volunteering: Campaigned for New Hampshire democrats in 2018, mission trip to El Salvador in 2017

SKILLS & INTERESTS

Programming: Experience with Python, R, Stata, SQL, MATLAB, Github, LaTeX/Overleaf

Languages: Native proficiency in English, Elementary proficiency in Spanish

Interests: Yoga, Hiking, Playing saxophone and guitar