Ian Lundberg

CONTACT
INFORMATION

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ACADEMIC
APPOINTMENTS

University of California, Los Angeles
Assistant Professor, Department of Sociology, 2024–
Faculty Affiliate, California Center for Population Research

Cornell University
Assistant Professor, Department of Information Science, 2022–2024
Faculty Affiliate, Cornell Population Center
Faculty Affiliate, Cornell Center for the Study of Inequality
Graduate Field Member: Information Science, Sociology, Statistics and Data Science

University of California, Los Angeles
Postdoctoral Scholar, Department of Sociology, 2021–2022
Postdoctoral Scholar, California Center for Population Research, 2021–2022

EDUCATION

Princeton University
Ph.D., Sociology and Social Policy. Certificate in Demography. May 2021
Adviser: Brandon M. Stewart
Dissertation: Research Begins with a Goal
              A Framework Illustrated by Gap-Closing Estimands
              — 2021 Charles F. Westoff Prize in Demography, Princeton University

Harvard College
B.A., Sociology and Statistics, May 2015, *Summa cum Laude.*

FOCUS

My research examines inequality in America, with a focus on intergenerational
mobility, poverty, and social policy. I develop and apply statistical and machine learning
techniques to make credible estimates of straightforward quantities motivated by theory.

Statistics and data science ⚘   Inequality, poverty, and mobility ⚖

PUBLICATIONS

Lundberg, Ian, Rachel Brown-Weinstock, Susan Clampet-Lundquist, Sarah Pachman, Timothy J. Nelson, Vicki Yang, Kathryn Edin, and Matthew J. Salganik. 2024. "The origins of unpredictability in life outcome prediction tasks." *Proceedings of the National Academy of Sciences* 121(24):e2322973121. [open access]

Lundberg, Ian, Jennie E. Brand, and Nanum Jeon. 2022. "Researcher reasoning meets computational capacity: Machine learning for social science." *Social Science Research* 108. [open access] [replication]

Lundberg, Ian. 2022. "The gap-closing estimand: A causal approach to study interventions that close disparities across social categories." *Sociological Methods and Research.* [open access] [replication]
- 2021 Clifford Clogg Student Paper Award
  American Sociological Association Methodology Section

Lundberg, Ian, Rebecca Johnson, and Brandon M. Stewart. 2021. "What is your estimand? Defining the target quantity connects statistical evidence to theory." *American Sociological Review* 86(3):532–565. [open access] [replication]

- 2022 Outstanding Publication Award
  American Sociological Association Methodology Section
- 2022 Graduate Student Paper Award
  American Sociological Association Mathematical Sociology Section

Lundberg, Ian, Sarah L. Gold, Louis Donnelly, Jeanne Brooks-Gunn, and Sara S. McLanahan. 2021. "Government assistance protects low-income families from eviction." *Journal of Policy Analysis and Management* 40(1):107–127. [open access] [replication]

Lundberg, Ian. 2020. "Does opportunity skip generations? Reassessing evidence from sibling and cousin correlations." *Demography* 57(4), 1193–1213. [open access] [replication]
- 2020 Graduate Student Paper Award
  American Sociological Association Section on Inequality, Poverty, and Mobility
- 2018 Charles F. Westoff Prize in Demography, Princeton University

Salganik, Matthew J., Ian Lundberg, Alex Kindel, 108 others, and Sara McLanahan. 2020. "Measuring the predictability of life outcomes with a scientific mass collaboration." *Proceedings of the National Academy of Sciences* 117(15):8398–8403. A mass collaboration organized by the four named authors. [replication]

Salganik, Matthew J., Ian Lundberg, Alexander T. Kindel, and Sara S. McLanahan. 2019. "Introduction to the special collection on the Fragile Families Challenge." *Socius* 5:1–21. [replication]

Lundberg, Ian, Arvind Narayanan, Karen E.C. Levy, and Matthew J. Salganik. 2019. "Privacy, ethics, and data access: A case study of the Fragile Families Challenge." *Socius* 5:1–25.

Lundberg, Ian, and Louis Donnelly. 2019. "A research note on the prevalence of housing eviction among children born in U.S. cities." *Demography* 56(1):391–404. [open access] [replication]

Killewald, Alexandra, and Ian Lundberg. 2017. "New evidence against a causal marriage wage premium." *Demography* 54(3):1007–1028. [open access] [replication]

COMMENTS   Lundberg, Ian, and Brandon M. Stewart. 2020. "Comment: Summarizing income mobility with multiple smooth quantiles instead of parameterized means." *Sociological Methodology* 50(1):96–111. [open access] [replication]

WORKING
PAPERS   Lundberg, Ian, and Jennie E. Brand. "The nonlinear and heterogeneous effects of parental income on children's educational attainment." Presented at the 2022 Annual Meeting of the Population Association of America. [replication]

Lundberg, Ian, and Soonhong Cho. "Non-existent outcomes in research on inequality: A causal approach." See development R package pstratreg. [replication]

Lundberg, Ian. "Quantifying the contribution of occupational segregation to racial disparities in health: A gap-closing perspective." [replication]
- 2021 Honorable Mention for Student Paper Award
  American Sociological Association Population Section
- 2020 IPUMS USA Student Research Award

EXTERNAL INVITED PRESENTATIONS	2023: UCLA Department of Sociology, University of Pennsylvania Department of Sociology, Linkoping University Institute for Analytical Sociology, NJ ACTS Biostatistics, Epidemiology, and Research Design Workshop
	2022: University of Washington Center for Statistics in the Social Sciences, New York University Department of Sociology
	2021: Cornell University Department of Information Science, University of Michigan School of Information, University of Wisconsin Madison Center for Demography and Ecology
	2020: University of Chicago Department of Sociology, University of California San Francisco Department of Social and Behavioral Sciences
CONFERENCE PRESENTATIONS	American Sociological Association Annual Meeting (2013, 2014, 2016, 2018, 2020–2022) Population Association of America Annual Meeting (2014, 2016–2022) Association for Public Policy Analysis and Management Fall Research Conference (2018) Society for Political Methodology (PolMeth) (2019)
EXTERNAL GRANTS	National Science Foundation (2104607). Co-PI with Jennie E. Brand. 2021–2022. "Developing computational tools for nonparametric summaries of income mobility." ($69,000)
INTERNAL GRANTS	Cornell Center for the Social Sciences. "Data-Adaptive Experiments to Discover Discrimination in Context." ($7,000)
	Cornell Population Center. "Grant development program: Economic volatility and the changing the U.S. population age structure." ($10,000)
	Overdeck Education Research Innovation Fund, Princeton University. With Edin, Nelson, Engelhardt, McLanahan, and Salganik. "The Fragile Families Challenge: Machine learning, qualitative interviews, and causal inference." ($160,965)
	Prize Fellowship in the Social Sciences. Princeton University. 2019–2021. • A competitive, interdisciplinary fellowship for policy-relevant social science.
	NIH Pre-Doctoral Fellow. Office of Population Research, Princeton University. Sep. 2015 – Aug. 2016.
TEACHING	Cornell University. INFO 3370 / 5371: Studying Social Inequality with Data Science (Undergraduate/Graduate) [spring 2024] [spring 2023]
	Cornell University. STSCI / INFO / ILRST 3900: Causal Inference (Undergraduate) [fall 2023]
	Cornell University. INFO 6751: Causal Inference in Observational Settings (Graduate) [fall 2022]
	Princeton University. Sociology 401/504: Advanced Social Statistics (Undergraduate/Graduate). Spring 2018. Preceptor for Matthew J. Salganik. [sample handout, slides A, B, C, D]
	Princeton University. Sociology 401/504: Advanced Social Statistics (Undergraduate/Graduate). Spring 2017. Preceptor for Brandon M. Stewart.

Princeton University. Sociology 400/500: Applied Social Statistics (Undergraduate/Graduate). Fall 2016. Preceptor for Brandon M. Stewart.

DISSERTATION COMMITTEES	Daniel Molitor (current, chair, Cornell Information Science) Federica Bologna (current, member, Cornell Information Science) Nanum Jeon (current, member, UCLA Sociology) Hao Liang (current, member, Cornell Sociology) Yanqing Gui (current, member, Cornell Johnson Graduate School of Management)
UNDERGRADUATE THESES	Daniel Vebman (2023, member, Cornell Computer Science, Economics, and Math)

DEPARTMENTAL AND UNIVERSITY SERVICE

Department of Sociology, UCLA
- Field exam member: Computational Sociology, Stratification, Social Demography (2024–)

California Center for Population Research, UCLA
- Methods workshop co-organizer, 2024–2025

Cornell Population Center
- Core team, 2023–2024
- Seminar organizer, 2023–2024

Department of Information Science, Cornell University
- Graduate Committee, PhD Applications Committee, 2022–2024

Department of Sociology, Princeton University
- Graduate Student Advisory Council (2019–2020)
- Graduate Student Coordinator: Quantitative Social Science Colloquium (2018–2019), Stewart Lab (2017–2018), Sociology Statistics Reading Group (2017–2018), Quantitative Sociology Workshop (2015–2016)

SERVICE TO THE FIELD

Editorial Board, *Sociological Methods and Research* (2022–)

Methodology Section Council, American Sociological Association (2023–)

Committee Chair, 2024 Outstanding Publication Award Committee, American Sociological Association Methodology Section

Committee Member, 2023 Student Paper Award, Mathematical Sociology Section, American Sociological Association

Session Organizer, 2023 Annual Meeting, American Sociological Association.
— Causal Inference in the Social Sciences

Session Organizer, 2023 Annual Meeting, Population Association of America.
— Methods for Mechanisms, Mediation, and Decomposition

Program Committee, 2023 ACM Conference on Fairness, Accountability and Transparency (FAccT)

Session Organizer, 2022 Annual Meeting, American Sociological Association.
— Quantitative methodology: Data collection and analysis in the 21st century
— Quantitative methodology: Causal inference

Committee Member, 2022 Student Paper Award, Population Section, American Sociological Association

Discussant, 2021 Annual Meeting of the Population Association of America.
— Data and Methods for Causal Inference in Demography

Reviewer: *American Sociological Review*, *American Journal of Sociology*, *Demography*, *Proceedings of the National Academy of Sciences*, *Nature Communications*, *Science Advances*, *Sociological Methods and Research*, *Sociological Methodology*, *Journal of Policy Analysis and Management*, *Social Forces*, *European Sociological Review*, *Sociological Science*, *Socius*, *Social Science Research*, *Review of Economics and Statistics*, *Management Science*, National Science Foundation MMS

REFERENCES

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