

ALESSANDRA RISTER PORTINARI MARANCA

Doctoral student in Sociology
Princeton University

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[Website](#)

Education

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| Ph.D. | Sociology | Princeton University | 2024- |
| M.A. | Sociology | Stanford University | 2022-2024 |
| B.S. | Mathematics | Stanford University | 2020-2024 |

Research interests

Methods, mathematical sociology, life course, prediction, economic sociology, family demography.

Publications and writing

Peer-reviewed journal publications

Alessandra Rister Portinari Maranca, Jihoon Chung, Musashi Hinck, Adam Wolsky, Naoki Egami, Brandon Stewart. [Correcting the Measurement Errors of AI-assisted Labeling in Image Analysis using Design-based Supervised Learning](#). *Sociological Methods & Research*, 2025

Alessandra Rister Portinari Maranca, Noah A. Rosenberg, [Bijections between the multifurcating unlabeled rooted trees and the positive integers](#), *Advances in Applied Mathematics*, Volume 153, 2024, 102612.

Alessandra Rister Portinari Maranca. [The Role of Classroom Seating Arrangements in Friendship Formation and Persistence](#), *Connections*, Issue 1, Volume 44, 2024.

Other writing

David B. Grusky, Sara Kimberlin, **Alessandra Rister Portinari Maranca**, Charles Varner, [Ending Poverty in California: A Blueprint for a Just and Inclusive Economy](#), 2022. Stanford Center on Poverty and Inequality.

Ann Carpenter, **Alessandra Rister Portinari Maranca**, and Marybeth J. Mattingly. [“Exhausted almost every possible frickin resource” to replace income during a long pandemic](#), 2024. In *Monitoring the Crisis: American Voices Project*. Stanford Center on Poverty and Inequality.

Flavio Hafner, Mattie Niznik, Malte Lüken, **Alessandra Maranca**, Matthew Salganik. [Benchmarking LLM fine-tuning on different HPC systems](#), 2025. Netherlands eScience Center.

Conference presentations

Alessandra Rister Portinari Maranca (presenting author), Filiz Garip. 2026. “Relational Migration: Household Interdependence in Mobility and Return in Mexico”. Oral presentation (*Migration and the Life-Course* session). Population Association of America Annual Meeting, St. Louis, United States, May.

Alessandra Rister Portinari Maranca (presenting author), Filiz Garip. 2026. “Selective Journeys: Internal, International and Return Migration in Mexico”. Oral presentation (*Migrant Selectivity and its Effects* session). Population Association of America Annual Meeting, St. Louis, United States, May.

Chloe Shawah (presenting author), **Alessandra Rister Portinari Maranca**. 2026. “Different U-curves: How marriage, income, and gender moderate the relationship between aging and emotions in the United

States”. Oral presentation (*Intimate Relationships and Health* session). Population Association of America Annual Meeting, St. Louis, United States, May.

Alessandra Rister Portinari Maranca, Matthew Salganik. 2025. “Studying life-course trajectories as physical systems”. American Sociological Association Methodology Section Midyear Meeting, Philadelphia, United States, May.

MR Doboli, **ARP Maranca**, NA Rosenberg. 2024. “Extremal Colijn-Plazzotta ranks of unlabeled multifurcating rooted trees”. Joint Mathematics Meetings, San Francisco, United States, January.

Alessandra Rister Portinari Maranca. 2023. “The Effect of Different Classroom Seating on Teenage Friendship Networks”. Sunbelt Network Conference (INSNA), Portland, United States, June.

Fellowships and awards

Princeton University

Centennial Fellowship in the Humanities and Social Sciences 2024-2029
Graduate Fellowship in Social Data Science Spring & Fall 2025

Stanford University

Barbara & Sandy Dornbusch Award for Outstanding Coterminal Masters Student 2024
Mathematics Department Service Award 2023
Vice-Provost for Undergraduate Education Conference Grant 2023
Vice-Provost for Undergraduate Education Full-time Summer Research Grant 2021, 2022, 2023

Others

Social Networks and Health Fellowship, Duke Network Analysis Center 2024
Complexity Global School, Santa Fe Institute Columbia, 2024
American Psychological Association’s *Outstanding for Behavioral Sciences* Award Brazil, 2019

Teaching experience

Princeton University

Preceptor for *SOC 504: Advanced Social Statistics* (Dr. Sam Trejo) Spring 2026
Preceptor for *SOC 101: Introduction to Sociology* (Dr. Timothy Nelson) Fall 2025

Stanford University

Teaching Assistant for *SOC 12SC: Guaranteed Income* (Dr. David Grusky) Fall 2022
Course Assistant for *SOC 11N: The Data Scientist as Detective* (Dr. Jeremy Freese) Winter 2023
Grader for *MATH 51: Linear Algebra and Multivariable Calculus* (Dr. Christine Taylor) 2023

Research experience

Massachusetts Institute of Technology Jan-Aug 2024

Predoctoral Technical Associate

- Responsible for running social network online experiments with Professor Ray Reagans.

Graphika Inc Summer 2023

Summer Science Intern

- Developed new algorithm for dynamic cluster tracking in feature networks
- Tested and advanced algorithm for subnarrative detection through centralization measures

Stanford Center on Poverty and Inequality 2021-2023

Research Assistant

- Research Assistant for Professor David Grusky on the American Voices Project
- Baby Bonds and California Poverty Measure research projects

Stanford Center for Spatial and Textual Analysis

Feb-Jun 2023 ³

Data Science Intern

- Developed natural language processing for analyzing resumes from the Napoleonic period

Stanford University, Sociology Department

2022-2023

Research Assistant

- Research assistant for Professor Aliya Saperstein (qualitative research and text coding)
- Research assistant for Professor Mark Hoffman (network analysis for library data)
- Research assistant for Professor Daniel McFarland (STERGMs and hierarchical affiliation ties)

Stanford University, Political Science Department

Summer 2022

Research Assistant

- Causal conflict persistence modeling and case analysis (with Professor David Laitin)

Academic service

Editorial Assistant, *Political Analysis* (2025-)

Board member, Stanford Women in Math Mentoring (SWIMM) (2021-2023)