

JOÃO M. SOUTO MAIOR

CV—April, 2023

Ph.D. Candidate, Sociology of Education, New York University

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AREAS OF RESEARCH

School organization; Within-school racial and socioeconomic inequalities; Student sorting processes; Social interactions; Agent-based-modeling; Computational social science.

EDUCATION

- 2018 - 2023 Ph.D. Sociology of Education. New York University. Steinhardt School of Culture, Education, and Human Development.
- Diss: “Essays on the dynamics of Black-White advanced course-taking inequalities.”
- Committee: L’Heureux Lewis-McCoy (chair); Samuel Lucas; Erez Hatna; Ravi Shroff.
- Expected graduation: Summer 2023.
- 2018 - 2021 M.Phil. Sociology of Education. New York University.
- 2017 - 2018 Ph.D. student, Economics. The Graduate Center, City University of New York.
- 2014 - 2017 B.A. Economics with Mathematical Emphasis, University of Wisconsin-Madison.

RESEARCH PAPERS

Under review

João Souto-Maior. 2023. “The presence of White students and the emergence of Black-White within-school inequalities: two interaction-based mechanisms.” [[arXiv preprint](#)]

João Souto-Maior & Ravi Shroff. 2022. “The limited role of academic preparedness in explaining Black-White enrollment disparities in advanced high school coursework.”

In preparation

João Souto-Maior. “Hoarding without hoarders: unpacking the emergence of opportunity hoarding within schools.” Expected submission: Spring 2023.

João Souto-Maior. “The salience of mechanisms shaping within-school racial inequalities across school- and district-level characteristics.” Expected submission: Summer 2023.

João Souto-Maior. “Determinants of race- and class-based educational inequalities within Brazilian high schools.” Expected submission: Summer 2023.
- [Dashboard](#) to communicate results to a non-academic audience.

Hank Sherwood, **João Souto-Maior**, Paul Poteat, Hirokazu Yoshikawa, Jerel Calzo. “Stepping out of the closet and into engagement: a quantitative analysis of outness, GSA engagement, and classroom engagement.” Expected submission: Spring 2023.

PRESENTATIONS

Conference presentations

“Unpacking the emergence of opportunity hoarding: an agent-based model of Black-White educational disparities within schools.”

- 2023 Annual Conference of the International Network of Analytical Sociologists at Princeton University (expected).

“Black-White advanced enrollment inequalities and the racial composition of schools: an agent-based modeling investigation.”

- 2022 American Sociological Association: Session on Mathematical and Computational Approaches to Studying Inequality.
- 2022 Joint US-Japan Conference on Mathematical Sociology and Rational Choice.

Other presentations

“Opportunity hoarding and Black-White inequalities in advanced enrollment: a simulation-based approach.”

- 2021 Race and Ethnicity Workshop, New York University’s Department of Sociology.

PROFESSIONAL INVOLVEMENT

2023	Selected participant. American Mathematical Society’s Summer program on Complex Social Systems (expected). [details]
2022	Selected participant. Summer Institute in Computational Social Sciences, Duke University. [details]

TEACHING

Laboratory instructor

2019 - 2021 Undergraduate Basic Statistics. NYU (5 semesters).

Teaching assistant

2022 Political Economy of Education: Why Does College Cost So Much? NYU (Fall).

2022 Intro to US Education: Historical and Contemporary Perspectives. NYU (Fall).

2022 Qualitative Methods in International Education. NYU (Spring).

Seminar leader

2016 - 2017 Research, Creative Work and the Public Good. UW-Madison (Fall and Spring).

2015 - 2016 Research, Creative Work and Society. UW-Madison (Fall and Spring).

SELECTED WORK EXPERIENCES

2021 - present Technical Reviewer. Journal on Education in Emergencies.

2018 - 2019 Research Assistant. Prof. Arun Sundararajan, NYU Stern School of Business.

2018	Research Assistant. Prof. Kathryn Moeller, UW-Madison School of Education, Prof. Rebecca Tarlau, Stanford School of Education.
2015 - 2017	Research Assistant. Prof. Kathryn Moeller, UW-Madison School of Education.

FUNDING AND AWARDS

2023	NYU Steinhardt Dissertation Finishing Award.
2023	American Mathematical Society, Summer research program on Complex Social Systems.
2022	NYU Steinhardt Dissertation Writing Grant.
2022	NYU Steinhardt Research & Travel Grant.
2022	Russell Sage Foundation, Summer Institute in Computational Social Sciences at Duke University.
2018-2022	NYU Steinhardt Doctoral Fellowship.
2017-2018	CUNY Graduate Center Doctoral Fellowship.
2016	UW-Madison Margaret E. and Allard Smith Scholarship.

METHODOLOGICAL TRAINING

Statistical analysis

R, Stata	Selected courses: Graduate econometrics I and II (The CUNY Graduate Center); Causal inference, Statistical analysis of networks, Multi-Level modeling: nested data (NYU).
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Computational methods for data analysis

R, Python	Selected courses: Applied data analytics for public policy, Data-driven methods for policy evaluation, Building learning analytics applications (NYU).
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Mathematical and computational micro-level modeling

NetLogo, Python	Selected courses: Introductory and advanced agent-based modeling (NYU's Agent-based modelling lab); Graduate microeconomic theory I and II (The CUNY Graduate Center).
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PROFESSIONAL SERVICE

2022 - present	Occasional Reviewer. Journal on Education in Emergencies.
2022 - present	Podcast Host. New Books in Education, a channel of the New Books Network.
2020	Technical Reviewer. American Sociological Association Annual Meeting (Sociology of Education Section).

PROFESSIONAL MEMBERSHIP

American Sociological Association (Sections: Mathematical Sociology; Sociology of Education; Inequality, Poverty, and Mobility).