

# JOÃO M. SOUTO MAIOR

CV—June, 2023

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

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## AREAS OF RESEARCH

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Organizations; Education policy; Racial inequality; Computational methods.

## EDUCATION

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- 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

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### *Under review*

- João Souto-Maior.** “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.** “Adjusting for academic preparedness when estimating enrollment disparities in advanced high school coursework” [[arXiv preprint](#)]
- João Souto-Maior.** “Hoarding without hoarders: unpacking the emergence of opportunity hoarding within schools.” [[arXiv preprint](#)]

### *In preparation*

- João Souto-Maior.** “The salience of mechanisms shaping within-school racial inequalities across school- and district-level characteristics.” Expected submission: 2023.
- João Souto-Maior.** “Determinants of race- and class-based educational inequalities within Brazilian high schools.” Expected submission: 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: 2023.

## PRESENTATIONS

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### *Conference presentations*

- 2023 “Unpacking the emergence of opportunity hoarding: an agent-based model of Black-White educational disparities within schools.”  
- *Annual Conference of the International Network of Analytical Sociologists.*
- 2022 “Black-White advanced enrollment inequalities and the racial composition of schools: an agent-based modeling investigation.”  
- *American Sociological Association: Session on Mathematical and Computational Approaches to Studying Inequality.*  
- *Joint US-Japan Conference on Mathematical Sociology and Rational Choice.*

### *Other presentations*

- 2021 “Opportunity hoarding and Black-White inequalities in advanced enrollment: a simulation-based approach.”  
- *Race and Ethnicity Workshop, New York University.*

## EXTRACURRICULAR TRAINING

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

## TEACHING

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### *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

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- 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

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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

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### *Statistical analysis*

R	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 ( <a href="#">NYU's Agent-based modelling lab</a> ); Graduate microeconomic theory I and II (The CUNY Graduate Center).
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## PROFESSIONAL SERVICE

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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

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