

# JOÃO M. SOUTO MAIOR

September 1, 2022

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

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## EDUCATION

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- 2018 - 2023\* Ph.D. Sociology of Education. New York University.  
- Department of Applied Statistics, Social Science, and Humanities at the Steinhardt School of Culture, Education, and Human Development.  
- Dissertation: “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.
- 2017 - 2018\* Ph.D. student, Economics. The Graduate Center, City University of New York.  
\* Transferred after completion of first year (GPA: 3.66).
- 2014 - 2017 B.A. Economics with Mathematical Emphasis, University of Wisconsin-Madison.  
- Certificate, Educational Policy Studies.

## AREAS OF RESEARCH

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

## MANUSCRIPTS UNDER REVIEW

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- João Souto-Maior.** “Black-White advanced enrollment inequalities and the share of White students in school: an agent-based modeling investigation”. Submitted: Jul., 2022.
- João Souto-Maior & Ravi Shroff.** “The limited role of academic preparedness in explaining Black-White enrollment disparities in advanced high school coursework”. Submitted: Jul., 2022.

## MANUSCRIPTS IN PREPARATION

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- João Souto-Maior.** “Hoarding without hoarders: collateral effects of information diffusion on within-school racial inequalities.” Expected submission: Sept., 2022.
- João Souto-Maior.** “The salience of mechanisms shaping within-school 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: Oct., 2022.  
- Working, publicly available, dashboard to communicate results to a non-academic audience [[Link](#)].

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: Oct., 2022.

## PRESENTATIONS

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### *Conference presentations*

**João Souto-Maior.** “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*. 2022.

**João Souto-Maior.** “Black-White advanced enrollment inequalities and the racial composition of schools: an agent-based modeling investigation”. *The Seventh Joint US-Japan Conference on Mathematical Sociology and Rational Choice*. 2022.

### *Other presentations*

**João Souto-Maior.** “Opportunity hoarding and Black-White inequalities in advanced enrollment: a simulation-based approach”. *Race and Ethnicity Workshop, New York University’s Department of Sociology*. 2021.

## 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 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 at the Boundaries. UW-Madison (Fall and Spring).

## SELECTED WORK EXPERIENCES

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2021 - present Technical Reviewer. Journal of 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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2022 NYU Dissertation Writing Grant.

2022	NYU Research & Travel Grant.
2022	Russell Sage Foundation, Summer Institute in Computational Social Sciences.
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 and Stata	Graduate Econometrics I and II, The CUNY Graduate Center.
R and Stata	Causal Inference, NYU.
R	Statistical Analysis of Networks, NYU.
R	Multi-Level Modeling: Nested Data, NYU.

### *Computational methods for data analysis*

R, Python	2022 Summer Institute in Computational Social Sciences, Duke University.
Python	Applied Data Analytics for Public Policy, NYU.
R	Data-Driven Methods for Policy Evaluation, NYU.
R	Building Learning Analytics Applications, NYU.

### *Mathematical and computational micro-level modeling*

NetLogo	Introduction and Advanced Agent-Based Modeling, NYU.
Python	Graduate Microeconomic Theory I and II, The CUNY Graduate Center.

## PROFESSIONAL SERVICE

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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 (Mathematical Sociology Section).