

# JOÃO M. SOUTO MAIOR

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*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: “School racial integration and students’ academic experiences: a simulation-based study of Black-White 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.** “Determinants of race- and class-based educational inequalities within Brazilian high schools”. Expected submission: Aug., 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: Sep., 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).

### *Discussion section instructor*

2022 Qualitative Methods in International Education. NYU (Fall semester).

### *Seminar leader*

2016 - 2017 Research, Creative Work and the Public Good. UW-Madison (2 semesters).

2015 - 2016 Research, Creative Work and at the Boundaries. UW-Madison (2 semesters).

## 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, and 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’s Dissertation Writing Grant.

2022 NYU’s Research & Travel Grant.

2022 Russell Sage Foundation, Summer Institute in Computational Social Sciences.

2018-2022 NYU’s 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 Network (New Books in Education Channel).
2020	Technical Reviewer. American Sociological Association Annual Meeting (Sociology of Education Section).

## PROFESSIONAL MEMBERSHIP

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American Sociological Association (Mathematical Sociology Section).
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## REFERENCES

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L'Heureux Lewis-McCoy, Associate Professor Sociology of Education, New York University (Doctoral advisor)	Email: <a href="mailto:lewismccoy@nyu.edu">lewismccoy@nyu.edu</a>
Ravi Shroff, Assistant Professor Applied Statistics, New York University (Co-author and committee member)	Email: <a href="mailto:ravi.shroff@nyu.edu">ravi.shroff@nyu.edu</a>
Samuel Lucas, Professor Sociology, UC-Berkeley (Committee member)	Email: <a href="mailto:lucas@berkeley.edu">lucas@berkeley.edu</a>
Erez Hatna, Clinical Associate Professor Global Public Health, New York University (Committee member)	Email: <a href="mailto:erezh51@gmail.com">erezh51@gmail.com</a>