

# JOÃO M. SOUTO MAIOR

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## Areas of research

Computational methods; school organization; within-school racial and socioeconomic inequalities.

## Education

New York University

PhD candidate, Sociology of Education

Sep., 2018—May, 2023 (expected)

- Dissertation title: School racial integration and students' academic experiences: a simulation-based study of black-white course-taking inequalities.
- Committee members: L'Heureux Lewis-McCoy (chair); Samuel Lucas; Erez Hatna; Ravi Shroff.
- Selected courses: Data-Driven Methods for Policy Evaluation; Applied Data Analytics for Public Policy; Building Learning Analytics Applications; Advanced Agent-Based Modeling.
- GPA: 3.91.

The Graduate Center at the City University of New York

PhD student, Economics

Sep., 2017—May, 2018 (transferred)

- Selected courses: Graduate microeconomic theory I and II; Graduate econometrics I and II.
- GPA: 3.66.

University of Wisconsin-Madison

Bachelor of Arts, Economics with Mathematical Emphasis

Jan., 2014—May, 2017

Certificate, Educational Policy Studies

- GPA: 3.44.

## Research

### Working papers

- [1] **Souto-Maior, J.** Black-White advanced enrollment inequalities and the racial composition of schools: an agent-based modeling investigation (*expected submission: July, 2022*).
- [2] **Souto-Maior, J.** & Shroff, R. Do AP enrollment processes favor certain racial groups? Measuring unjustified disparities in advanced course-taking in New York City high schools (*expected submission: June, 2022*).

- [3] **Souto-Maior, J.** Determinants of race- and class-based educational inequalities within Brazilian high schools (*expected submission: July, 2022*) [[link for working, publicly available, dashboard to communicate results to a non-academic audience.](#)]
- [4] Sherwood, H., **Souto-Maior, J.**, Poteat, P., Yoshikawa, H., Calzo, J. Stepping out of the closet and into engagement: a quantitative analysis of outness, GSA engagement, and classroom engagement (*expected submission: Sep., 2022*).

## Conference presentations

- [1] **Souto-Maior, J.** Black-White advanced enrollment inequalities and the racial composition of schools: an agent-based modeling investigation. Upcoming (August, 2022). *American Sociological Association: Session on Mathematical and Computational Approaches to Studying Inequality*.

## Other presentations

- [1] **Souto-Maior, J.** Opportunity hoarding and Black-White inequalities in advanced enrollment: a simulation-based approach. February, 2021. *Race and Ethnicity Workshop, New York University's Department of Sociology*.

## Work

Journal of Education in Emergencies

Technical Reviewer

Jun., 2021—present

- Evaluation of whether manuscript submissions meet the technical requirements of the journal.
- Writing of technical feedback to authors.

Stern School of Business, New York University

Graduate Research Assistant (Prof. Arun Sundararajan)

Sep., 2018—Aug., 2019

- Development of a set of survey questions to map alternative work arrangements in NYC.
- Revision of academic literature on the structure of adult education programs.

Schools of Education, University of Wisconsin-Madison; Stanford University

Research Assistant (Prof. Kathryn Moeller and Rebecca Tarlau) Jan., 2018—July, 2018

- Analysis of Brazil's federal proposal for national core curriculum standards.

## Teaching

Qualitative Methods in International Education, New York University

Teaching Assistant

Spring 2022

Undergraduate Basic Statistics, New York University

Laboratory instructor

Spring 2019—Spring 2021 (5 semesters)

Undergraduate Research Scholars Seminar, University of Wisconsin-Madison

Co-Instructor

Fall 2015—Spring 2017 (4 semesters)

## Professional development

Summer Institute in Computational Social Sciences, Duke University  
Participant

Jun., 2022

## Service as reviewer

American Sociological Association's Sociology of Education Section  
Technical reviewer

Feb., 2020

## Funding and Awards

New York University's Research & Travel Grant	2022
Russell Sage Foundation, Summer Institute in Computational Social Sciences	2022
NYU Steinhardt Doctoral Fellowship	2018-2022
CUNY Graduate Center Tuition Fellowship	2017-2018
UW-Madison Margaret E. and Allard Smith Scholarship	2016

## Additional

Data/computational analysis: R, Python, Netlogo, Stata, SPSS

Research writing: Latex, GitHub

Administrative software: Microsoft Office/Suite/Access

Languages: Native proficiency in Portuguese; Professional proficiency in Spanish

## References

L'Heureux Lewis-McCoy, Doctoral advisor

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Ravi Shroff, Co-author and dissertation committee member

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Samuel Lucas, Dissertation committee member

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Erez Hatna, Dissertation committee member

[erezh51@gmail.com](mailto:erezh51@gmail.com)

Lisa Stulberg, PhD program chair

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