

Guilherme Jardim Duarte

3730 Walnut Street
500 Jon M. Huntsman Hall
Philadelphia-PA 19104
United States

Email: gjduarte@upenn.edu
Homepage: duarteguilherme.github.io/
GitHub: github.com/duarteguilherme
Phone: (609) 436-0086

Education

The Wharton School of the University of Pennsylvania	Philadelphia, PA
Ph.D. in Operations, Information, and Decisions	Expected 2025
<i>Research:</i> causal inference, partial identification, transportability, sensitivity analysis	
Princeton University	Princeton, NJ
M.A. in Politics	2021
University of São Paulo	São Paulo, Brazil
Doctorate in Law	2017
State University of São Paulo	Franca, Brazil
BA in Law	2010

Professional Experience

Data Editor, Jota News	2017–2019
Data Scientist, Itaú Bank	2017
Data Scientist, O Estado de S. Paulo News	2015–2017

Awards

Society for Political Methodology John T. Williams Dissertation Prize	2024
Society for Causal Inference Tom Ten Have Award	2024
Society for Political Methodology Poster Award (Methods)	2023
Pulitzer Prize for Explanatory Reporting, “The Panama Papers” reporting	2017
Data Journalism Awards Investigation of the Year, “The Panama Papers”	2016

Research

Peer-Reviewed Articles

Guilherme Duarte, Noam Finkelstein, Dean Knox, Jonathan Mummolo, and Ilya Shpitser. 2023. “[An Automated Approach to Causal Inference in Discrete Settings](#)”. *Journal of American Statistical Association* (Theory & Methods).

Robert Myles McDonnell, Guilherme Jardim Duarte, and Danilo Freire. 2019. “[congressbr: An R Package for Analysing Data from Brazil’s Chamber of Deputies and Federal Senate](#)”. *Latin American Research Review* (Research Note).

Submitted

Guilherme Duarte. 2024. “[Identification of Single-Treatment Effects from Factorial Experiments](#)”.

In Progress

Guilherme Duarte. 2024. “[A Unified Approach for Assessing Sensitivity to Violations of Causal Assumptions](#)”. Job Market Paper.

Kai Cooper, Guilherme Duarte, Luke Keele, Dean Knox, Kennedy Mattes, Jonathan Mummolo. 2024. “Evaluating the Validity and Robustness of Instrumental-Variable Analyses”.

Guilherme Duarte. 2024. “Fast Algorithm for Closed-form Partial Identification.”

Guilherme Duarte, and Dean Knox. 2023. “Imperfect Data and Optimal Allocation of Data-Collection Resources”.

Guilherme Duarte. 2023. “A General Framework For Transportability”.

Kai Cooper, Guilherme Duarte, Luke Keele, Dean Knox, and Jonathan Mummolo. 2022. “Learning From Imperfect Identification – Automating Causal Inference When Classic Assumptions Fail”.

Grants

Guilherme Duarte, Haosen Ge, Jacob Kaplan, Dean Knox, Gregory Lanzalotto, Rachel Mariman, and Jonathan Mummolo. 2022. “Statistical Methodology for Measuring Racial Bias in Police Traffic Enforcement with Incomplete Information.” Arnold Ventures. \$1,205,813. Co-investigator.

Guilherme Duarte, Dean Knox, and Jonathan Mummolo. 2021. “An Automated Solution to Causal Inference in Discrete Settings.” Analytics at Wharton, The Wharton School of the University of Pennsylvania. \$22,575. Principal Investigator.

Software

[autobounds](#). Python package that automatizes the solution of partial identification problems in causal inference.
[congressbr](#). R package that returns tidy data from the APIs of the Brazilian Legislative Houses.

References

Dean Knox. Assistant Professor, Operations, Information, and Decisions Department, University of Pennsylvania. Email: dcknox@upenn.edu
Jonathan Mummolo. Associate Professor, Politics and Public Affairs, Princeton University. Email: jmummolo@princeton.edu
Ilya Shpitser. John C. Malone Associate Professor, Department of Computer Science, Johns Hopkins university. ilyas@cs.jhu.edu

Last updated: 25th September 2024