

Guilherme Jardim Duarte

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Education

- Ph.D., The Wharton School of the University of Pennsylvania *Expected 2024.*
Research: Causality, Partial Identification, Transportability, Data Fusion
- Doctorate in Law, University of São Paulo 2017.
- BA in Law, State University of São Paulo 2010.

Professional Experience

- Data Editor: News website Jota, 2017–2019.
- Data Scientist: Itaú Bank, 2017.
- Data Scientist: Newspaper *O Estado de S. Paulo.* 2015-2017.

Awards

- [*Pulitzer Prize for Explanatory Reporting.*](#) 2017. *The Panama Papers.* [Reporter](#)
- [*Data Journalism Awards – Investigation of the Year.*](#) 2016. *The Panama Papers.*

Research

Peer-Reviewed Articles

- Guilherme Duarte, Noam Finkelstein, Dean Knox, Jonathan Mummolo, and Ilya Shpitser. Forthcoming 2023. An Automated Approach to Causal Inference in Discrete Settings. *Journal of American Statistical Association* (Methods).
- Robert Myles McDonnell, Guilherme Jardim Duarte, 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).

In Progress

- Guilherme Duarte, Dean Knox. 2023. "Imperfect Data and Optimal Allocation of Data-Collection Resources".
- Guilherme Duarte. 2023. "A General Framework For Transportability".
- Guilherme Duarte, Luke Keele, Dean Knox, and Jonathan Mummolo. 2022. "Learning From Imperfect Identification – Automating Causal Inference When Classic Assumptions Fail".
- Guilherme Duarte. 2020. "Estimation of Single-Treatment Effects from Factorial Experiments".

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 Federal Senate and Chamber of Deputies.

Skills

Software

- python, R, c++

Languages

- Portuguese (native), English (fluent), Spanish (intermediate)

References

- Dean Knox. Assistant Professor, OID – Wharton. University of Pennsylvania. Email: dcknox@upenn.edu
- Jonathan Mummolo. Associate Professor, Princeton University. Email: jmummolo@princeton.edu
- Nandita Mitra. Professor of Biostatistics, University of Pennsylvania. nanditam@upenn.edu

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