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Education

- Ph.D. in Decisions, The Wharton School of the University of Pennsylvania, *Expected 2025*.
Research: Causality, Computational Social Sciences, Machine Learning, Statistical Learning.
- BA in Law, State University of São Paulo, 2010.

Professional Experience

- Data Editor: News website Jota, 2017–2019.
Write and plan data-driven news stories on topics including judiciary, legislative, and electoral polls; analyze marketing data.
- Data Scientist: Itaú Bank, 2017.
Marketing and credit modelling with random forests and gradient boosting; large-scale data engineering
- Data Scientist: Newspaper *O Estado de S. Paulo*. 2015-2017.
Data analysis and reporting on topics including the Panama Papers.

Research

Peer-Reviewed Articles

- [congressbr](#): An R Package for Analysing Data from Brazil's Chamber of Deputies and Federal Senate. Joint with Robert McDonnell and Danilo Freire. *Latin American Research Review*, 2019, 54 (2).
- An Automated Approach to Causal Inference in Discrete Settings. Joint with Noam Finkelstein, Dean Knox, Jonathan Mummolo, and Ilya Shpitser. 2023. (Conditionally Accepted). *Journal of American Statistical Association*.

In Progress

- Imperfect Data and Optimal Allocation of Data-Collection Resources. Joint with Dean Knox. 2023
- Transportability Sharp Bounds. 2023.
- Learning From Imperfect Identification – Automating Causal Inference When Classic Assumptions Fail. Joint with Luke Keele, Dean Knox, and Jonathan Mummolo. 2022.
- Structural Causal Models and Factorial Experiments: Identification Problems and Applications in Social Sciences. 2020.

Software

- [autobounds](#). python package that automatizes the solution of partial identification problems in causal inference. Joint with Noam Finkelstein, Dean Knox, Jonathan Mummolo, Ilya Shpitser.
- [congressbr](#). R package that returns tidy data from the APIs of the Brazilian Federal Senate and Chamber of Deputies. Joint with Robert McDonnell and Danilo Freire.

Skills

Software

- python, R, c++

Languages

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

References

- Dean Knox. Assistant Professor, OID – Wharton. Email: dcknox@upenn.edu
- Jonathan Mummolo. Assistant Professor, Department of Politics – Princeton University. Email: jmummolo@princeton.edu

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