

# Pedro Braga Aldighieri Soares

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Citizenship: Brazilian, Italian

## Education

### Northwestern University

PhD in Economics

Evanston, IL

Fall 2022 – Present

### Pontifical Catholic University of Rio (PUC-Rio)

MSc in Economics

Advisor: Leonardo Rezende, GPA: 8.9/10

Rio de Janeiro, RJ

January 2020 – April 2022

**PUC-Rio**, BA in International Relations (2007–2010); **UFRJ**, Philosophy major (2007–2013, no degree)

## Working papers

### Technological Breakthroughs and the Progress of Science: Evidence from Early Computers

with Franco Malpassi (Northwestern). [Working paper](#).

Novel database of 2,200 computer installations at 184 US universities linked to millions of papers. Staggered DiD and triple-differences. LLM classification pipeline (F1 = 0.967) on 1.3M papers; data-driven taxonomy via Tamkin et al. (2024) clustering method. EHA Early Stage Dissertation Grant.

### Electoral Effects of U.S. Soft Power: Evidence from Hollywood Movies in Cold War Italy

with M. Cannella (Bank of Italy) and M. Magnaricotte (UChicago). *R&R, Journal of Economic History*.

Joined revision as co-author to make NLP content analysis of 2,700+ films: topic models, cross-lingual embeddings, LLM classification of 56K dialogue segments.

## Work in progress

### The Topology of Scientific Knowledge: Embedding-Based Placement and Research Impact

Vector embeddings of ~305K papers to map geometry of knowledge space. Non-monotonic novelty–impact relationship.

### A Market for Stories: How Market Consolidation Shaped Narratives in US History Textbooks

with Vitaliia Eliseeva (Paris School of Economics). *Work in progress*.

LLM-based slant classification of ~75,000 text chunks from 351 editions of 207 textbooks (1860–1930). Benchmarked across four LLMs with F1 > 0.7. Staggered DiD.

### Disruptive Regulation: The Safety-Efficacy Frontier in the Pesticide Sector

with Netanel Ben-Porath (Northwestern).

## Honors and fellowships

Adam Smith Fellowship

2025–2026

Stripe Economics of AI Fellowship [1st Cohort](#)

2025

Emergent Ventures Fellowship [35th Cohort](#)

2024

Economic History Association Early Stage Dissertation Grant

2024

NSF NAIRR Pilot computing resources (SambaNova, Groq)

2024

CAPES Scholarship (declined due to concomitant work)

2020

2<sup>nd</sup> rank in the national admission exams out of 1344 candidates (ANPEC)

2019

Research experience	Research Assistant, Piotr Dworczak, Northwestern University, Winter 2026 – Present Research Assistant, Kieu-Trang Nguyen, Northwestern Kellogg, Spring 2024 Research Assistant, Ryan Hill, Northwestern Kellogg, Summer 2023 Research Assistant, Jeffrey Miron, Harvard University, 2021 / 2022 Research Assistant, Giuliana Pardelli, NYU-Abu Dhabi, Summer 2021	
Skills	<b>Programming</b> Python, Stata, R, $\text{\LaTeX}$ , Claude Code/Codex <b>ML / LLM tooling / NLP</b> PyTorch, Hugging Face Transformers/PEFT, scikit-learn, topic models <b>Scientific computing &amp; data</b> numpy, pandas, scipy; polars, pyarrow; parquet <b>Systems &amp; workflow</b> Git, Linux, bash, HPC (SLURM, batch pipelines) <b>Languages</b> Portuguese (native), English (fluent), French (advanced), Spanish (intermediate)	
Policy publications	<b>Under Rent Controls, Everyone Pays</b> Pedro Aldighieri and Jeffrey Miron. <i>In Bourne, Ryan (ed.), The War on Prices, Cato Institute, May 2024.</i> <b>Legalized Marijuana</b> Pedro Aldighieri and Jeffrey Miron. <i>Milken Institute Review, Third Quarter 2022.</i> <b>Is There Monopsony Power in U.S. Labor Markets?</b> Pedro Aldighieri, Ryan Bourne, and Jeffrey Miron. <i>Regulation, Vol. 45 No. 2, Summer 2022.</i> Additional policy pieces in <i>Reason</i> , <i>MarketWatch</i> , <i>Cato at Liberty</i> , and others.	
Work experience	<b>National Agency of Cinema (ANCINE), Analyst</b> Tenured civil servant in Brazil's audiovisual regulatory body (applicant-to-hire ratio 500:1). Formerly advisor to the Executive Officer (2019).	April 2014 – August 2022
	<b>Office of the Attorney General, Technician</b>	November 2013 – April 2014
	<b>Elsevier</b> , Freelance translator (English–Portuguese)	March 2012 – October 2013
Teaching experience	TA, Judgment & Decision-Making, SESP/Northwestern, Fall 2024 TA, Game Theory, SESP/Northwestern, Fall 2024 TA, Topics in Health Policy, SESP/Northwestern, Summer 2024 TA, Economics of Public Policy, SESP/Northwestern, Summer 2024 TA, Econometrics for Policy Analysis, SESP/Northwestern, Spring 2024 TA, Econometrics, Northwestern University, Fall 2023	
Other interests	Published poet ( <i>Prosaico</i> , 7Letras, 2010). Recorded two studio albums as drummer, backing vocalist, lyricist and arranger. <a href="#">Spotify</a> and <a href="#">YouTube</a> links.	