

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

2nd rank in the national admission exams out of 1344 candidates (ANPEC)

2019

Research experience Research Assistant, Piotr Dworzak, 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

Programming
Python, Stata, R, \LaTeX , Claude Code/Codex

ML / LLM tooling / NLP
PyTorch, Hugging Face Transformers/PEFT, scikit-learn, topic models

Scientific computing & data
numpy, pandas, scipy; polars, pyarrow; parquet

Systems & workflow
Git, Linux, bash, HPC (SLURM, batch pipelines)

Languages
Portuguese (native), English (fluent), French (advanced), Spanish (intermediate)

Policy publications

Under Rent Controls, Everyone Pays
Pedro Aldighieri and Jeffrey Miron.
In Bourne, Ryan (ed.), The War on Prices, Cato Institute, May 2024.

Legalized Marijuana
Pedro Aldighieri and Jeffrey Miron.
Milken Institute Review, Third Quarter 2022.

Is There Monopsony Power in U.S. Labor Markets?
Pedro Aldighieri, Ryan Bourne, and Jeffrey Miron.
Regulation, Vol. 45 No. 2, Summer 2022.

[Additional policy pieces](#) in *Reason*, *MarketWatch*, *Cato at Liberty*, and others.

Work experience

National Agency of Cinema (ANCINE), Analyst April 2014 – August 2022
Tenured civil servant in Brazil’s audiovisual regulatory body (applicant-to-hire ratio 500:1). Formerly advisor to the Executive Officer (2019).

Office of the Attorney General, Technician November 2013 – April 2014

Elsevier, 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 (*Prosaico*, 7Letras, 2010). Recorded two studio albums as drummer, backing vocalist, lyricist and arranger. [Spotify](#) and [YouTube](#) links.