

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 nd 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	<p>Programming Python, Stata, R, L^AT_EX, Claude Code/Codex</p> <p>ML / LLM tooling / NLP PyTorch, Hugging Face Transformers/PEFT, scikit-learn, topic models</p> <p>Scientific computing & data numpy, pandas, scipy; polars, pyarrow; parquet</p> <p>Systems & workflow Git, Linux, bash, HPC (SLURM, batch pipelines)</p> <p>Languages Portuguese (native), English (fluent), French (advanced), Spanish (intermediate)</p>
Policy publications	<p>Under Rent Controls, Everyone Pays Pedro Aldighieri and Jeffrey Miron. <i>In Bourne, Ryan (ed.), The War on Prices, Cato Institute, May 2024.</i></p> <p>Legalized Marijuana Pedro Aldighieri and Jeffrey Miron. <i>Milken Institute Review, Third Quarter 2022.</i></p> <p>Is There Monopsony Power in U.S. Labor Markets? Pedro Aldighieri, Ryan Bourne, and Jeffrey Miron. <i>Regulation, Vol. 45 No. 2, Summer 2022.</i></p> <p>Additional policy pieces in Reason, MarketWatch, Cato at Liberty, and others.</p>
Work experience	<p>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).</p> <p>Office of the Attorney General, Technician November 2013 – April 2014</p> <p>Elsevier, Freelance translator (English–Portuguese) March 2012 – October 2013</p>
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, 7Letras</i> , 2010). Recorded two studio albums as drummer, backing vocalist, lyricist and arranger. Spotify and YouTube links.