

## EDUCATION

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- **Universidade Federal Fluminense**

Niterói, RJ, Brazil

*Doctor of Economics*

*Feb. 2014 – June 2018*

- **Area of Concentration:** Quantitative Methods.
- **Dissertation:** A Complexidade da estrutura produtiva e financeira: uma análise de redes para o Brasil.
- **Doctoral Exchange Program:** Università Delgi Studi di Milano-Bicocca, Department of Statistics and Quantitative Methods, Mar. 2017 – Oct. 2017.
- **Scholarship:** Scholarship by the Coordination for the Improvement of Higher Education Personnel (CAPES).

- **Universidade Federal de Viçosa**

Viçosa, MG, Brazil

*Master of Economics*

*Jan. 2012 – June 2014*

- **Area of Concentration:** Economic Development and Public Policy.
- **Thesis:** Encadeamentos em rede na economia: um estudo aplicado sobre a estrutura econômica brasileira.
- **Graduate Tutor:** Macroeconomics, Mar. 2013 – Jul. 2013.
- **Scholarship:** Coordination for the Improvement of Higher Education Personnel (CAPES).

- **Universidade Federal de Santa Maria**

Santa Maria, RS, Brazil

*Bachelor of Economics Science*

*Apr. 2007 – Aug. 2011*

- **Bachelor Thesis:** Metodologia Brasileira dos atos de concentração horizontal: Escola Austríaca vs. mainstream.
- **Undergraduate Tutor:** Econometrics, Aug. 2010 – Jul. 2011.
- **Best Bachelor Student in Economics Award:** Rio Grande do Sul Economy Council (CORECON-RS), 2011.
- **Scholarship:** Research Incentive Fund (FIPSE/UFSC), Mar. 2009 – Feb. 2010.

## EXPERIENCE

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- **Students For Liberty**

Washington, DC, United States

*Researcher Manager*

*Jan. 2023 – Present*

- **Learn Liberty and The Invisible Lens YouTube Channels:** Conducted research exploring principles of freedom, prosperity in society, and the intersection of political ideas with pop culture in movies, music, and sports, connecting these expressions to real-world applications and understanding.
- **Cryptocurrency Freedom Index:** A tool to evaluate and compare how different countries regulate cryptocurrencies in four critical areas—taxation, anti-money laundering (AML/CFT), consumer protection, and licensing. This project aims to inform policymakers, businesses, and researchers about how regulation shapes the adoption and economic impact of cryptocurrencies globally.

- **Consultant**

São Paulo, SP, Brazil

*Independent Consultant*

*Sep. 2020 – Present*

- **Complex systems analysis for actionable solutions:** Work includes evaluating voting patterns in elections and among incumbent legislators, examining the impact of tax reforms and regulatory changes, and assessing fiscal incentives on various sectors, helping clients anticipate and adapt to policy shifts effectively.

- **Ibmec-SP**

São Paulo, SP, Brazil

*Titular Professor*

*Aug. 2021 – July 2024*

- **Course (Economics):** Dynamic Macroeconomics, Open Macroeconomics, Macroeconomics I and II; Macroeconomics and National Accounts, Free Market Economic Thought.
- **Research:** Coordination of the Public Policy Group; Co-ordination of the Study Group in Economics, Politics and Society; Member of the Applied Macroeconomics Research Group.

- **Universidade Presbiteriana Mackenzie**

São Paulo, SP, Brazil

*Assistant Professor*

*Aug. 2018 – July 2022*

- **Course (Economics):** Macroeconomics I, Macroeconomics II, Open Macroeconomics, Microeconomics III, Economic Policies, Economic Analysis, Advanced Topics in Economic Theory (Economic Complexity).
- **Courses (Business Management):** Macroeconomics and Contemporary Economics; Market Environment and Economic Indicators; Entrepreneurship.

- **Mackenzie Center for Economic Freedom**

São Paulo, SP, Brazil

*Associate Researcher*

*Aug. 2018 – July 2022*

- **Research Grant (Leader):** Cycles of interventionism in Brazil: 1989-2019, funded by Atlas Network (USA), Jan. 2019 – July 2021; Brazilian Capital Market Ownership Structure: An Analysis of Complex Networks, MackPesquisa, Feb. 2020 – Mar. 2021.
- **Research Grant (Member):** Economic rationality of corruption uncovered by the car wash: an analysis inspired by the combined perspective of the Public Choice Theory and the Austrian School of Economics, MackPesquisa, Feb. 2019 – Mar. 2021.

- **Federation of Industries of the State of Santa Catarina**

Florianópolis, SC, Brazil

*Researcher*

*Jan. 2018 – July 2018*

- **Reports:** Preparation of regular reports (CAGED, RAIS, Economic Activity, Expectations, Inflation) and technical briefings for directors and presidency.
- **Research:** Leader of the research “Missing Links in the Industry of Santa Catarina”, which identified the structural gaps in production chains, based on the methodology of economic complexity, helping in the elaboration of public policies aimed at the development and competitiveness of the region.

- **Mises Institute**

Auburn, AL, United States

*Visiting Researcher (Fellowship in Residence)*

*May. 2016 – Aug. 2015*

- **Research:** Development of research on production structure, deindustrialization, and complexity of the Brazilian economy, from the perspective of the Austrian School.

## SELECTED PUBLICATIONS

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CALAIS, P.; MAZZONI, J. F. R.; ABREU, M. P. Contemporary Austrian School as a research program: What can bibliometrics teach us?. *The Review of Austrian Economics*, p. 1-30, 2024. PIAIA ABREU, M.; DEL-VECCHIO, R. R.; GRASSI, R. Analysis of the productive structure applying networks: the Brazilian case. *Structural Change and Economic Dynamics*, v. 53, p. 281-291, 2020. PIAIA ABREU, M.; GRASSI, R.; DEL-VECCHIO, R. R. Structure of control in financial networks: An application to the Brazilian stock market. *Physical A-Statistical Mechanics and its Applications*, v. 522, p. 302-314, 2019. ABREU, M. P. *Preface*: MISES, L. Sobre moeda e inflação: Uma síntese de diversas palestras. São Paulo: LVM, 2018.

## PROJECTS

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- **Workflows and Roadblocks: Gender Differences in Career Mobility and Occupational Networks in Brazil** How do gendered workflows and roadblocks shape the distribution of work in Brazil's labor market, and what does this reveal about career mobility and opportunities for job transitions? This research investigates the network structure of occupational mobility, using RAIS to uncover how gender differences influence pathways between occupations. This study sheds light on structural inequalities in the labor market, deepens our understanding of gendered mobility challenges, and provides insights into targeted policies to foster a more inclusive, equitable, and dynamic career landscape.
- **Analysis of Political Behavior in Brazil using Network Theory: Campaign Donations, Pattern of Voting and Behavior of Representatives** Using network theory, we analyze: (i) the structure of donation in electoral campaigns (considering changes in electoral legislation); (ii) the pattern of votes for candidates; (iii) how elected politicians behave in their mandate, analyzing votes in plenary.
- **Modifications of the Brazilian productive structure: the economic and the political cycle** The complexity of the production structure and the deindustrialization process are recurrent themes in Brazil. The objective is to carry out an analysis not only of the sectoral participation in the GDP, but as an interrelated structure, through the theory of networks. This research also takes into considerations the effects of political cycles.
- **Complexity and the Structure of Capital** Complex systems are reluctant to be expressed in closed analytic forms. Such systems can be more easily described by their interaction structure. Thus, the theoretical framework of complexity theory and capital theory in complex network models is used for this research.
- **Ownership and control: overview and historical analysis of networks in the Brazilian capital market** This research seeks, through ownership and control relationships, to analyze the evolution of the Brazilian capital market based on network theory. It assesses the degree to which government institutions are directly or indirectly involved in the control of private companies and how government initiatives can impact the ownership and control structures of Brazilian companies.