# Paulo H. Resende

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#### **EDUCATION**

Dept. of Agricultural and Applied Economics, Texas Tech University Lubbock, TX *Ph.D. in Agricultural and Applied Economics* 2025 - 2029

- GPA: -/4.00Advisor: -
- Dissertation title: -.

## Institute of Economics, University of Campinas

Campinas, Brazil

M.Sc. in Economics

2022 - 2025

- GPA: 3.89/4.00
- Advisor: Celio Hiratuka
- Thesis title: The Pharmaceutical Sector in the Age of AI: An Analysis of Technology and Ownership Networks.

### Mackenzie Presbyterian University

São Paulo, Brazil

B.Sc. in Economics

2018 - 2021

- GPA: 3.69/4.00
- Advisor: Mariana Piaia Abreu
- Honors Thesis title: *The Brazilian Stock Market Between 2010 and 2020 and the Role of the State from a Network Theory Perspective*. Grade: 10.0/10.0

#### Federal University of São Carlos (UFSCar)

São Carlos, Brazil

B.Sc. in Chemical Engineering (Not Completed)

2015 - 2018

- Undergraduate Research Assistant at The Interdisciplinary Laboratory of Electrochemistry and Ceramics (LIEC)
- Volunteer at the UFSCar Astronomical Observatory

#### Colégio Bandeirantes

São Paulo, Brazil

High School

2012 - 2014

## Professional

#### Instituto Millenium (Think Tank)

São Paulo, Brazil

Research Associate

Apr 2024 - present

Independent Consultant
Political Consulting Analyst

São Paulo, Brazil Jan 2022 - present

Saga Systems Brasil

São Paulo, Brazil

PIC Marketing Department

Jan 2018 - Oct 2021

# Working Papers

1. The overlooked need for Ethics in Complexity Science: Why it matters. Olumide Adisa, Enio Alterman Blay, Yasaman Asgari, Gabriele Di Bona, Samantha Dies, Ana Maria Jaramillo, **Paulo H. Resende**, Ana Maria de Sousa Leitao. *arXiv PrePrint*, 2024.

# Work in Progress

- 1. Better Rules for Complex Innovation Systems: An Evolutionary and Austrian Economics Perspective
- 2. Structural Features in Complex Capital: A Motif Analysis from Higher-Order Assortativity (with Mariana Piaia Abreu)
- 3. Political Interference in the Stock Market: Analyzing State-Owned and Mixed-Owned Enterprises in the Brazilian Stock Market (*with Mariana Piaia Abreu*)
- 4. Workflows and Roadblocks: Gender Differences in Career Mobility and Occupational Networks in Brazil (with Mariana Piaia Abreu)

Conference Presenta- tions	Assessing Shareholding Interaction Patterns in the Brazilian Stock Market with Higher-Order Assortativity. Conference on Complex Systems, 2023 (with Mariana Piaia Abreu) Photoelectrochemical activity evaluation of $WO_3/BiVO_4$ with electrodeposited Cobalt Phosphate. XXI Brazilian Symposium of Electrochemistry and Electroanalysis, 2017 (with Dyovani Coelho and L. H. Mascaro) Photoelectrochemical evaluation of spray-deposited $MoO_3/BiVO_4$ , $WO_3/BiVO_4$ and $Co_xO_y/BiVO_4$ heterojunctions. XXI Brazilian Symposium of Electrochemistry and Electroanalysis, 2017 (with Dyovani Coelho, L. H. Mascaro and N. C. S. Braghini)	
research Projects	Country-Risk Index 2025 - Brazil Instituto Millenium & Adam Smith Center at Florida International Universi Bureaucracy Index 2025 - Brazil Instituto Millenium & Adam Smith Center at Florida International Universi	
	The Health Economic-Industrial Complex in the context of the 4th Industrial Revolution: an analysis of the insertion of Brazil in the knowledge and technology networks of Health 4.0  UNICAMP-UFF-Fiocruz, CNPQ-MCTI Project 2024-2026	
	Country-Risk Index 2024 - Brazil Instituto Millenium & Adam Smith Center at Florida International Universi	ty 2024
	Bureaucracy Index 2024 - Brazil Instituto Millenium & Adam Smith Center at Florida International University 2024	
	Ownership Structure of the Brazilian Capital Market: A Complex Network 2020 Mackpesquisa Project (Mackenzie Presbyterian University)	<b>Analysis</b> 2020 - 2021
FELLOWSHIPS	Texas Tech University Free Market Institute - PhD Fellowship	2025 - 2028
	University of Campinas  CAPES Masters Scholarship	2022 - 2024
	Mackenzie Presbyterian University  Mackpesquisa Research Grant	2020 - 2021
	The Fund For American Studies	

Skills

Languages: Portuguese (Native), English (Fluent), Spanish (Intermediate), Mandarin (Beginner).

Jan-2019

Aug-2019

Programming: R, LATEX, VBA, GAMS, Python.

Discovery Institute - Center on Wealth & Poverty

Gilder Fellows' Seminar - Seattle, WA

Institute for Leadership in the Americas - Santiago de Chile