

Victor Rangel | CV

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🌐 vr-rodrigues.github.io

I'm an economist specializing in political economy and public policy evaluation. I have experience in causal inference, natural language processing, and panel data econometrics. My research has been featured in major international media outlets, and I've developed a solid track record in both academic research and industry applications.

Selected Professional Experience

- **Econometria Fácil** 2022 – Present
Founder & Content Creator
Founded and scaled educational platform to 200,000+ followers, creating comprehensive econometrics content. Columnist at *Folha de São Paulo*. Developed and launched “Foundations of Econometrics” course, providing hands-on training in R, Python, and STATA. Created multimedia educational content reaching thousands of students across Latin America.
- **Inspere** São Paulo, SP, Brazil
Research Assistant 2024
Health-economics research projects under the supervision of Dr. Carolina Melo, using causal-inference methods and panel-data econometrics.
- **FGV IBRE – Brazilian Institute of Economics** Rio de Janeiro, RJ, Brazil
Research Assistant 2023
Worked on econometric analysis for DNIT (National Department of Transport Infrastructure) research project under Dr. Janaina Feijó. Designed research framework, implemented data collection pipelines, and applied causal inference models for infrastructure policy evaluation.
- **Senac – National Department** Rio de Janeiro, RJ, Brazil
Data Scientist 2023
Developed a labor market analysis project integrating multiple national databases (RAIS, CAGED) with real-time job market data. Developed predictive models to align educational offerings with market demand.
- **Sovos Compliance, LLC.** São Paulo, SP, Brazil
Senior Data Scientist 2021 – 2023
Led development of automated tax document processing system using NLP and machine learning. Architected ETL pipelines in AWS, implementing version control and CI/CD practices. Collaborated with international teams to analyze legislative documents using advanced text processing techniques.
- **Downstream Advisors, Inc.** Dallas, Texas, USA
Consultant 2020 – 2023
Developed market intelligence solutions for major oil and gas companies, implementing automated data collection systems. Created interactive dashboards and spatial analyses for strategic decision-making in logistics and market expansion.

Academic Experience

Education.....

- **Inspier** **São Paulo, SP, Brazil**
Master's in Public Policy 2024 – 2026 (expected)
- **Federal University of Espírito Santo** **Vitória, ES, Brazil**
Master's Level Econometrics Course as Visiting Student 2021
- **FUCAPE Business School** **Vitória, ES, Brazil**
Bachelor of Science in Economics 2015 – 2020

Research.....

- **From Association to Explanation: Strengthening Research Design and Causal Reasoning in Accounting Scholarship** *Advances in Scientific and Applied Accounting (ASAA), Forthcoming.* with Fábio Motoki (U. Texas RGV) and Valdemar Pinho Neto (FGV-EPGE)
- **Economic Conditions and Voting Behavior** *Public Choice (Forthcoming) 2025.* with Fernando Barros Jr. (FEARP/USP), Gabriel Correa-da-Silva (FEARP/USP), and Valdemar Pinho Neto (FGV-EPGE)
- **Assessing Political Bias and Value Misalignment in Generative Artificial Intelligence** *Journal of Economic Behavior and Organization, 2025.* with Fábio Motoki (U. Texas RGV) and Valdemar Pinho Neto (FGV-EPGE)
- **Natural Disasters and Financial Technology Adoption** *Economics Letters, 2024.* with Fernando Barros Jr. (FEARP/USP), Bruno Delalibera (Universitat Barcelona), and Valdemar Pinho Neto (FGV-EPGE)
- **Government, Taxation and Economic Complexity** *Applied Economics Letters, 2024, 1-5.* with Fernando Barros Jr. (FEARP/USP), Luiz Brotherhood (Universitat Barcelona), and Fábio Gomes (FEARP/USP)
- **More Human than Human: Measuring ChatGPT Political Bias** *Public Choice, 2024, 198(1), 3-23.* with Fábio Motoki (U. Texas RGV) and Valdemar Pinho Neto (FGV-EPGE) *Covered by almost 170 pieces of news coverage within the first five days after publication – including the Washington Post, Telegraph, and Forbes.*
- **Bonus for Firearms Seizures and Police Performance** *Economics Letters, 2022, 217, 110681.* with Fernando Barros Jr. (FEARP/USP), Bruno Delalibera (Universitat Barcelona), and Valdemar Pinho Neto (FGV-EPGE)
- **Economic Complexity and Corporate Governance** *Applied Economics Letters, 2022, 29(1), 68-71.* with Fernando Barros Jr. (FEARP/USP) and Luiz Brotherhood (Universitat Barcelona)
- **On the Determinants of a Stable Long-run Relationship Between Energy Consumption and Economic Growth** *Economics and Policy of Energy and Environment, 2021, 2, 147-171.* with Fernando Barros Jr. (FEARP/USP)

- Work in Progress.....
- **Do Health Policy Conclusions Survive Modern DiD? Re-estimating TWFE Studies.** with Cristine Pinto (Insper) and Pedro HC Sant'Anna (Emory)
 - **Armed Factions and Local Electoral Competition: Evidence from Metropolitan Rio de Janeiro** with Valdemar Pinho Neto (FGV-EPGE)
 - **Seed-IV: Using Seeds to Randomize Text Characteristics in LLM Models** with Fábio Motoki (U. Texas RGV) and Valdemar Pinho Neto (FGV-EPGE)
- Working Papers.....
- **Regulatory Simplification, Formalization, and Local Economic Activity: Evidence from Brazil** (*Submitted*) with Fernando Barros Jr. (FEARP/USP)
 - **Virtual Learning, Real Effects: Does Delivery Mode Influence Students' Attainment?** (*R&R, Journal of the Knowledge Economy*) with Fábio Motoki (U. Texas RGV) and Valdemar Pinho Neto (FGV-EPGE)
 - **Charting New Territory: Using ChatGPT to Enhance Survey Instruments for Management Accounting Research** with Fábio Motoki (U. Texas RGV), Januario C. Monteiro (FGV-EAESP), and Ricardo Malagueño (U. East Anglia)

Technical Expertise

- **Econometric Methods:** Causal inference (DiD, RDD, IV), Panel data analysis, Time series, Quasi-experimental design
- **Programming & Tools:** Python (Scikit-learn, Pandas, NLTK), R (tidyverse, fixest), SQL, Stata
- **Machine Learning:** Natural Language Processing, Supervised Learning, Deep Learning, Web Scraping
- **Data Analysis:** ETL Pipeline Development, Big Data Processing, Statistical Modeling, Data Visualization
- **Professional Skills:** Project Leadership, Technical Writing, Research Design, Public Communication, Educational Content Development