Victor Rangel | CV

São Paulo, Brazil

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I'm an economist specializing in political economy and technology, with expertise in artificial intelligence, voting behavior, 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

Insper   **São Paulo, SP, Brazil**
Research Assistant   *2024 - Present*
Working in a research project at the Health and Public Policy Center under Dr. Carolina Melo's supervision, analyzing determinants of data quality in Brazil's fetal and neonatal mortality records using causal inference methods and panel data econometrics.

Econometria Fácil
Founder & Content Creator   *2022 - Present*
Founded and scaled educational platform to 100,000+ followers, creating comprehensive econometrics content. 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.

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

Insper　　　　　　　　　　　　　　　　　　　**São Paulo, SP, Brazil**
Master's in Public Policy, Full Merit-Based Scholarship　　　　*2024 – 2025*

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

- **Assessing Political Bias and Value Misalignment in Generative Artificial Intelligence** *Journal of Economic Behavior and Organization, 2025.* with Fábio Motoki (Univ. of East Anglia – NBS) and Valdemar Pinho Neto (FGV-EPGE)

- **Economic Conditions and Voting Behavior** *R&R - Public Choice, 2024.* with Fernando Barros Jr. (FEARP/USP), Gabriel Correa-da-Silva (FEARP/USP), 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 (East Anglia – Norwich Business School) 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)

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, caret), 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