Thiago Meireles

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PH.D. DATA SCIENTIST AND RESEARCHER
METHODOLOGICAL INNOVATION AND ADVANCED QUANTITATIVE METHODS

PROFESSIONAL SUMMARY

Ph.D. Data Scientist and Researcher with a robust foundation in **Advanced Quantitative Methods** applied to complex problem-solving. Since 2022, specialized in **leading data analysis and Methodological Innovation projects at Cetic.br (NIC.br)**, transforming raw data into accessible solutions for **managers and decision-makers**. Core expertise in bridging rigorous statistical and computational approaches, from **Classical Statistics** to **Causal Inference and Machine Learning**, applied across diverse data landscapes (survey samples, structured/unstructured data, and **Big Data**). Dedicated to translating strategic insights into clear narratives for diverse audiences, ensuring cutting-edge research drives **positive impact**.

EXPERIENCE

Data Scientist & Researcher @Cetic.br (NIC.br)

Data Scientist and Researcher, Coordination of Quantitative Methods.   *Mar 2022 - Present*

Working in the methodological innovation team, applying **data-driven approaches** to real-world challenges, and transforming complex datasets into **strategic insights** that support innovation and promote positive societal change.

- **Engineered** the optimization of the internal cross-tabulation tool, **significantly improving performance and usability** for the team.
- **Designed and developed** a new, user-friendly **data visualization and tabulation tool** for key stakeholders.
- **Applied advanced NLP** techniques for **text analysis and classification** of open-ended survey responses.
- **Validated and implemented** pseudo-weighting methods to **increase the representativeness and robustness** of non-probability survey data.
- **Pioneered** the experimental use of **Web Scraping** for the estimation and production of new **digital indicators**.

Lead Data Consultant & Freelance Researcher

Data Analysis, Methodological Consulting, and Data Science (Freelance).   *Aug 2020 - Present*

Providing advanced technical services and applied research for a diverse portfolio of **private national and international clients**, focused on delivering **data-driven solutions** for strategic clarity.

- **Designed and delivered** robust statistical modeling and indicator development solutions tailored to specific needs.
- **Guided clients** on optimal **sampling design** and rigorous **inferential analysis** to ensure data integrity.
- **Provided expert consulting** on the design and execution of complex **online experimental studies** (A/B Testing).
- **Developed tailored R-based solutions** for efficient data processing, analysis, and automation.

Researcher @Public Policy & Society Network (COVID-19 Task Force)

Researcher, "Labor market and income" group.   *Apr 2020 - Sep 2020*

Contributed to a high-impact task force providing real-time socio-economic analysis during the pandemic, focused on **analyzing IBGE microdata**.

- **Co-developed a new, adjusted unemployment indicator** ("taxa ampliada") to correct for official metrics underestimating the crisis's impact.
- Conducted **policy impact modeling** to quantify the role of the Emergency Aid in preventing 30% of the population from falling into poverty.
- **Analyzed and quantified the "digital divide"**, demonstrating critical barriers to both Emergency Aid distribution and remote work viability.

EDUCATION	**University of São Paulo**, São Paulo, Brazil
	PhD, Political Science *2017 - 2022*
	Focus of Research: Successfully completed a 4-year doctoral thesis investigating the systemic impacts of **Artificial Intelligence (AI)** on **labor market dynamics and income inequality**. My research bridges political science and advanced quantitative analysis.
	Thesis: Artificial Intelligence: impacts on the labor market and income inequality
	Advisor: João Paulo Cândia Veiga
	University of São Paulo, São Paulo, Brazil
	M.A., Political Science *2014 - 2016*
	Focus of Research: Research established a solid foundation in **mixed-methods analysis**, integrating **statistical models** with **Qualitative Comparative Analysis (QCA)** and rigorous case study analysis.
	Advisor: João Paulo Cândia Veiga
	São Paulo State University, Marília, Brazil
	B.A., International Relations *2007 - 2012*
	Focus: Comprehensive study of international politics, economy, and foreign policy, establishing strong **analytical and research fundamentals**.
	Advisor: Tullo Vigevani

TEACHING & TRAINING EXPERIENCE	**CEBRAP (Brazilian Center for Analysis and Planning)**
	Cebrap.Lab Instructor *2018–2023*
	Courses taught: **Programming in R** (Data Structures and Advanced Analysis); **Text as Data** (Web Scraping and Data Mining with R); **Internet Data Collection with R**.
	FGV-DAPP, Brazil
	Teaching Assistant, Summer Institutes in Computational Social Science (SICCS) *2021*

ADVANCED RESEARCH TRAINING	**IPSA-USP Summer School**	
	Comparative Survey Analysis (Professor Laron Williams) *Mathematics for Social Scientists* (Professors Jonathan Phillips, Glauco Peres da Silva and Lorena Barberia).	*2020*
	Introduction to Survey Experiments (Professor Mark Pickup), *Survey Research Design* and *Survey Research Analysis* (Professor Soledad Artiz Prillaman).	*2019*
	Basics of Multi-Method Research: Integrating Case Studies and Regression and *Advanced Issues in Multi-Method Research: Integrating Case Studies and Contemporary Methods for Causal Inference* (Professor Jay Seawright), *Essentials of Multiple Regression Analysis* (Professor Glauco Peres da Silva).	*2016*
	Quantitative Methods for Public Policy Analysis, Professor Bruno Cautrès.	*2015*

TECHNICAL SKILLS	**Programming & Tools: R**, Python, SQL, Git, LaTeX
	Data Analysis & Modeling: Causal Inference, **Experimental Design (A/B Testing)**, ML/Supervised Learning, **Statistical Modeling**, **NLP** (Text Classification, Topic Modeling), Inferential Analysis
	Data Engineering: *Web Scraping*, API Consumption, ETL, *Data Cleaning*, **Microdata Analysis**
	Project Leadership & Communication: Cross-Functional Collaboration, Management of Strategic AI Initiatives, Translating Data into Business Strategy, **Data-Driven Decision Making**, *Data Storytelling*

LANGUAGES	**Portuguese:** Native
	English: Advanced (professional proficiency, experience in multicultural environments)
	Spanish: Basic

AWARDS, HIGHLIGHTS & ACHIEVEMENTS	IPSA-USP Summer School — International Political Science Association (IPSA) *2019*
	Honorable mention in the area of Applied Methodology
	Interview on the Opinião Program.
	Episode "Is your job at risk?" on the impacts of artificial intelligence on the labor market