

# Daniel Sánchez Pazmiño

R · DATA ANALYTICS · CAUSAL INFERENCE · APPLIED FINANCE

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## SUMMARY

- Experienced data analyst and applied researcher with interests in causal inference, causal machine learning, economic forecasting and applied finance.
- Advanced skills in analytical, visualisation and reporting pipelines with R, Python, SQL and Power BI.
- **Languages:** English (advanced, TOEFL 119/120), Spanish (native), French (basic).
- Project portfolio hosted on GitHub, RPubs and personal website.



## EDUCATION

- Aug. 2022 – present   **M.A. Economics**   SIMON FRASER UNIVERSITY, BURNABY, BC, CANADA  
Awarded full funding among 100+ applicants. GPA 3.89/4.33.
- Jan. 2017 – May. 2022   **B.A. Economics, B.A. Finance** (magna cum laude)   UNIVERSIDAD SAN FRANCISCO DE QUITO, ECUADOR  
Double majored in Economics & Finance. GPA 3.82/4.00 (EC) & 3.81/4.00 (FI). Attended **Michigan State University** for one academic year exchange (2019/2020) on full funding, GPA. 3.9/4.0.

## SELECT INDUSTRY EXPERIENCE

- Jun. 2023 - present   **Junior Economist**   NATURAL RESOURCES CANADA, OTTAWA, CANADA (REMOTE)  
· Co-op position in NRCan's Innovation Branch. Assisted creating dashboarding, reporting and data access pipelines using Power BI, R and Python for the Clean Technology Data Strategy initiative.  
· Developed presentations and reports for the department's leadership, using economic and environmental information at the firm, sector, province and national level through API access with R and Python.
- March 2022 - present   **Corporate Finance Consultant**   LVM CONSULTING, QUITO, ECUADOR (REMOTE)  
· Assisted in corporate finance consulting \*on an occasional per-job basis\* for 10+ projects with large companies in Ecuador.  
· Created and calibrated discounted-cash-flow and comparable companies/transactions models, using Bloomberg Terminal, S&P Capital IQ and EMIS platforms.
- May 2022 - April 2023   **Data Analyst**   MILMOH, S.L., VALENCIA, SPAIN (REMOTE)  
· Wrangled, analyzed and visualized data with Power BI, Tableau and R, creating powerful dashboards and reporting pipelines to aid 10+ European clients in business decisions.  
· Managed and structured data models with PostgreSQL to deploy and maintain assets in Power BI, Tableau and R. Developed periodic reports, documentation and presentations.
- Aug. 2022 - present   **Teaching Assistant**   SIMON FRASER UNIVERSITY, BURNABY, BC, CANADA  
· Cooperating with SFU Economics as a TA in ECON310 Money & Banking (Fall 2022), ECON355W Economic Development (Spring 2023) & ECON103 Principles of Microeconomics (Summer 2023).  
· Coordinating with professors and co-TAs to prepare class seminars, manage the course LMS, create and grade assignments and exams, work with students during weekly office hours.

Last updated July 2, 2023. This is a short CV, please visit [here](#) for further information. Developed using  $\LaTeX$  markup and **pgfplots/tikz** visualisation. Source code made available on GitHub.

## SKILLS

- MULTIPURPOSE SCRIPTING: **R** (3+years): *tidyverse*, *knitr/sweave*, *infer*, *caret*, etc. **Python** (1 year): **pandas**, **numpy**, **matplotlib**, **scipy**, , etc.
- DASHBOARDING & VISUALIZATION: **Power BI** (1 year), **Tableau** (1 year), *shiny/flexdashboard*, *ggplot2*, *plotly*, *dygraphs*, *highcharter*, **matplotlib**, **seaborn**.
- DATA MANAGEMENT: PostgreSQL & SQL Server (1 year) Power Query, Mashup, *dplyr*, **pandas**, *data.table*.
- DOCUMENT MARKUP:  $\text{\LaTeX}$ , Quarto, Markdown, RMarkdown.
- OTHERS: Git, GitHub, MS Office, Stata, Minitab, MATLAB, Shell, VBA. API access using *selenium*, *quantmod*, *wbstats*, *Quandl*, *spotifyr*, *geniusr*, *lastfmR*, **yfinance**, **wbgapi**, etc.

## PUBLICATIONS

### PEER-REVIEWED

1. Sánchez Pazmiño, D. (2023). Honesty by Convenience: Corruption Tolerance in Ecuador. In *The Philosophy, Politics and Economics Review*.  
<https://pressbooks.lib.vt.edu/app/uploads/sites/47/2023/03/PPER-Volume-2-2023.pdf>.
2. Sánchez-Pazmiño, D.H. (2022). Immunizing the Economy: A Causality Discussion on Vaccines and Economic Recovery<sup>1</sup>. In *X-Pedientes Económicos*.  
<https://daniel-ec.netlify.app/files/research/immunizing-the-econ.pdf>.

### MEDIA

1. Marchán, A. & **Sánchez, D.** (2023). Three problems for the quantitative analysis of femicides in Ecuador (Original in Spanish: Tres problemas para el análisis cuantitativo de los femicidios en Ecuador). ISSN 2953-6456. <https://elquantificador.org/post/valores/2023-03-07-tres-problemas-para-el-an-lisis-cuantitativo-de-los-femicidios-en-ecuador/>.
2. Sánchez, D. (2022). A quantitative perspective on the Ecuadorian protests. ISSN 2953-6456. <https://elquantificador.org/post/valores/perspectiva-cuantitativa-protestas-ecuador/>.

## ADDITIONAL EDUCATION

June 2023	Data Scientist with R (career track)	DATA CAMP
Mar. 2023	Introduction to Stata 15	LINKEDIN LEARNING
Nov. 2022	Simon Fraser University Data Fellowships: AI Essentials	SFU BIG DATA HUB
May 2022	Intermediate SQL course	DATA CAMP
May 2022	Power BI & Tableau Fundamentals (skill tracks)	DATA CAMP

## RESEARCH AFFILIATIONS

June 2022 - present	Research Associate	ECUADORIAN RESEARCH DEVELOPMENT LAB
	<ul style="list-style-type: none"> <li>· Co-authorship of research papers with organization members, including a work in progress to be submitted to <i>The Gerontologist</i>.</li> <li>· Assisting in the implementation of several of the organization's projects, including education on data science for women, <i>New Dimensions</i>.</li> <li>· Reviewer for the organization's blog-type website <i>El Quantificador</i>, developed in an R/Hugo environment.</li> </ul>	
Jan. - April 2022	Research Intern	SUPERINTENDENCIA DE COMPAÑÍAS DEL ECUADOR
	<ul style="list-style-type: none"> <li>· Contributed to the production of empirical papers and literature reviews, notably, a paper on family businesses in Ecuador.</li> <li>· Produced original research using administrative data, later published in the institution's peer-reviewed journal.</li> </ul>	

<sup>1</sup>See this link for original journal publication.