# Daniel Sánchez Pazmiño

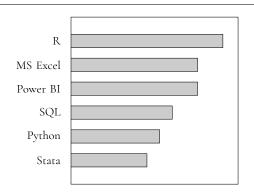
R · Data Analytics · Causal Inference · Applied Finance

 A Burnaby, BC
 ■ dsanchezp998@gmail.com

 □ +1 236 308 8801
 in LinkedIn
 ■ Twitter
 A Personal Website
 O GitHub
 III RPubs

#### 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)

- $\cdot$  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)

- $\cdot$  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).
- $\cdot$  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 Łarkup and pgfplots/tikz visualisation. Source code made available on GitHub.

Daniel Sánchez Curriculum Vitæ

#### 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: 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

- I. 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.
- 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

- I. 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 2023Data Scientist with R (career track)DATACAMPMar. 2023Introduction to Stata 15LINKEDIN LEARNINGNov. 2022Simon Fraser University Data Fellowships: AI EssentialsSFU BIG DATA HUBMay 2022Intermediate SQL courseDATACAMPMay 2022Power BI & Tableau Fundamentals (skill tracks)DATACAMP

## RESEARCH AFFILIATIONS

June 2022 - present

## Research Associate

ECUADORIAN RESEARCH DEVELOPMENT LAB

- $\cdot$  Co-authorship of research papers with organization members, including a work in progress to be submitted to The Gerontologist.
- · Assisting in the implementation of several of the organization's projects, including education on data science for women, *New Dimensions*.
- · Reviewer for the organization's blog-type website El Quantificador, developed in an R/Hugo environment.

Jan. - April 2022

#### Research Intern

Superintendencía de Compañías del Ecuador

- $\cdot$  Contributed to the production of empirical papers and literature reviews, notably, a paper on family businesses in Ecuador.
- · Produced original research using administrative data, later published in the institution's peer-reviewed journal.

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