

Daniel Sánchez

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📁 Project Portfolio 🐙 GitHub 📄 R Pubs

SUMMARY

- Economist (MA, Simon Fraser University) with experience leading technically demanding projects in applied econometrics, input–output modelling, and computable general equilibrium simulations.
- Advanced skill with **MS Excel**, **R**, **Haver Analytics** and other state-of-the-art tools, experience incorporating AI workflows to economic analysis.
- Languages: **English** (fluent), **Spanish** (native), **French** (basic).

SELECT INDUSTRY EXPERIENCE

ECONOMIC ANALYST (FULL-TIME) ALBERTA TREASURY BOARD AND FINANCE
Sep. 2024 – Present Edmonton, AB

- Forecast Alberta’s provincial economic accounts (GDP, household consumption, gross capital formation) using methodologies aligned with the System of National Accounts, implemented in R and SAS.
- Conduct impact evaluation using input-output modelling, Statistics Canada Supply and Use tables, and discounted cash flow cost-benefit analysis to quantify economic effects of investment.
- Produce economic briefings and data analysis for senior leadership using R, Stata, and Haver Analytics, translating complex quantitative results into decision-ready insights under tight deadlines.

ECONOMICS TEACHING ASSISTANT (PART-TIME) SIMON FRASER UNIVERSITY
August 2022 - April 2024 Burnaby, BC

- Led weekly seminars and mentored 200+ students per semester in Money & Banking and Microeconomics.

JUNIOR ECONOMIST (CO-OP) NATURAL RESOURCES CANADA
Jun. – Dec. 2023 Ottawa, ON

- Analyzed macroeconomic, financial, and labour market indicators for Canada’s natural resource and clean technology sectors using Statistics Canada, Bloomberg, and PitchBook data, producing reports and dashboards in R, Power BI, and Python.
- Translated quantitative findings into sector briefings and presentations for non-technical stakeholders across the Innovation Branch, communicating clearly across varying levels of quantitative literacy.

DATA ANALYST (PART-TIME) MILMOH, S.L.
May 2022 - April 2023 Valencia, Spain (remote)

- Developed dashboards & reports, leveraging statistical models to evaluate the impacts of decisions and market outcomes on key performance indicators, working with Power BI, PostgreSQL and R.
- Communicated analytical insights to 100+ clients in English and Spanish under tight production cycles.
- Developed dynamic reports for various stakeholders, examining and displaying business data & maintaining asset documentation, leveraging RMarkdown and Jupyter Notebooks.

EDUCATION

MASTER OF ARTS IN ECONOMICS SIMON FRASER UNIVERSITY
Aug. 2022 - Apr. 2024 Burnaby, BC, Canada

Awarded **full funding** among 100+ applicants.

BACHELOR OF ARTS, DUAL

Jan. 2017 – May. 2022

UNIVERSIDAD SAN FRANCISCO DE QUITO

Quito, Ecuador

Bachelor of Arts in **Economics & Finance**.

Attended **Michigan State University** for one exchange year (2019-2020) on **full funding**.

TECHNICAL SKILLS

- SPREADSHEETS & OFFICE SOFTWARE MS Excel, Google Sheets, VBA (macro programming).
- FINANCE: Haver Analytics, Bloomberg, Capital IQ, Refinitiv Eikon, PitchBook.
- AI, LLMs AND AGENTIC CODING: Claude, ChatGPT, Claude Code, GitHub Copilot, Copilot CLI, etc.
- STATISTICAL PACKAGES: Stata, EViews, SAS, IBM SPSS, Minitab.
- DATA ANALYSIS PROGRAMMING & BI: R, Python, SQL, Tableau, Power BI.
- OTHERS: Version control with Git & GitHub, automation with LLMs/artificial intelligence (AI).

PROJECTS

DO TAX CREDITS FOSTER INNOVATION? THE ALBERTA INVESTOR TAX CREDIT [🔗](#)

SFU

Master's capstone paper

April 2024

- Estimated the causal impact of Alberta's innovation tax credit on patent filings using two-way fixed effects difference-in-differences, combining administrative and intellectual property data in R and Stata.
- Found statistically significant increases in medical and textile patent applications; summarized findings and policy implications for non-technical audiences. Reproducible code available on GitHub [🔗](#).

IMMUNIZING THE ECONOMY [🔗](#)

ECUADORIAN COMPANIES' SUPERINTENDENCY

Peer-reviewed research article

April 2022

- Estimated the effect of Ecuador's national vaccination campaign on business creation using a difference-in-differences design in R and Stata; found a 25% increase in new firm registrations.
- Published in a peer-reviewed outlet; findings communicated to a non-specialist policy audience through accessible summaries and visualizations.

ADDITIONAL EDUCATION

The Canadian Oil Sands Industry

OAKLEAF

Gross Domestic Product and the System of National Accounts

STATISTICS CANADA

Statistics Canada Supply and Use Framework and Input Output Modelling

STATISTICS CANADA

Benchmarking and Reconciliation: Theory and Application

STATISTICS CANADA

Bloomberg Market Concepts

BLOOMBERG EDUCATION

Introduction to Options

CHICAGO MARKET EXCHANGE

Introduction to Futures

CHICAGO MARKET EXCHANGE

Understanding and Visualizing Data with Python

COURSERA (UNIVERSITY OF MICHIGAN)

Python Fundamentals (skill track)

DATA CAMP

Data Scientist Professional with R (career track)

DATA CAMP

Simon Fraser University Data Fellowships: AI Essentials

SFU BIG DATA HUB

Intermediate SQL

DATA CAMP

Power BI & Tableau Fundamentals (skill tracks)

DATA CAMP