Santiago Monroy

Economics | Data & Insights | Energy & Technology | Public Policy

U.S., French & Mexican Citizen (No Visa Sponsorship Required)
+1 (346) 823 0454 | santiagomong@gmail.com

Summary

Professional with over two years of experience in data insights, policy analysis, and consulting. Skilled in regression analysis, data visualization, and research synthesis, with a track record of producing high-quality deliverables for government agencies and private sector clients. Dual bachelor's degrees in Economics and Government & Public Policy, plus an MSc in Energy & Climate Policy from the University of Sussex—graduating top of the class. Proficient in data analytics (Excel, STATA, Python) and visualization tools (PowerPoint, Datawrapper, Flourish). Experienced in collaborating with cross-functional teams, regulatory analysis, and public policy. Fluent in Spanish, English, and French, having lived in four countries. Fully authorized to work in the U.S.

Education

MSc, Energy & Climate Policy (GPA ~3.8 U.S. equivalent) | University of Sussex
SEPTEMBER 2023 – OCTOBER 2024, BRIGHTON, UK

- **Top Student of the Program (79%):** Graduated with highest overall mark.
- **Thesis (Highest Grade: 92%):** Applied Python-based analysis to examine how macroeconomic factors (interest rates, inflation) influence the cost of capital for solar PV projects in Brazil, discovering that rising financing costs constrained potential LCOE reductions despite technological advancements.
- **Coursework:** Quantitative Methods, Science/Technology/Innovation Policy, Energy Policy Frameworks, Policymaking and Analysis. Emphasis on analytics, large datasets, and advanced research methods.

BA, Government and Public Policy (GPA ~3.5 U.S. equivalent) | Universidad Panamericana
AUGUST 2016 – DECEMBER 2021, MEXICO CITY, MX

BSc, Economics (GPA ~3.5 U.S. equivalent) | Universidad Panamericana
AUGUST 2016 – DECEMBER 2020, MEXICO CITY, MX

Other notable courses (non-exhaustive):

Economics of Transformative AI – BlueDot Impact (*Feb 2025 – Apr 2025*)
Bloomberg Finance Fundamentals – Bloomberg for Education (2025)
Bloomberg Market Concepts – Bloomberg for Education (2024)
The Data Analyst Course (Python) – Udemy (2024)
The Essential Guide to Stata – Udemy (2024)

Professional experience

Energy Consultant | EnergeA StructurA
APRIL 2022 – AUGUST 2023, MEXICO CITY, MX

- Led a team of two junior consultants on projects for the Mexican Treasury Ministry, designing quantitative models to inform national fiscal and energy policy strategies.
- Oversaw programming and modeling tasks (using Python and Excel) for national-level energy and fiscal policy projects.
- Analyzed large datasets (including survey-based and secondary data) and conducted cost-benefit studies to evaluate incentives for electromobility and renewable energy, working closely with cross-functional teams.
- Developed fiscal policy recommendations for environmental/social impact mitigation of hydrocarbon exploration, simplifying large datasets into clear, executive-ready presentations.
- Assessed regulatory constraints for minimum petroleum storage compliance, providing strategic guidance to an international oil client.
- Conducted regulatory and competition analysis in the electricity, oil, and gas sectors to identify policy reforms that encourage private sector participation, improve market conditions, and enhance sustainability.

Research Analyst | National Council for Science and Technology (CONACYT)
JUNE 2020 – DECEMBER 2020, MEXICO CITY, MX

- Contributed to empirical research on the effectiveness of regulations aiming to reduce drug consumption.
- Enriched qualitative datasets (interviews, q-sorting) to inform evidence-based policy recommendations.

Consultant | Economic, Finance & Law Consulting Group
JUNE 2019 – OCTOBER 2020, MEXICO CITY, MX

- Researched economic, political, and environmental issues supporting legislative strategies and public policy planning in areas including hydraulic resources, energy poverty, waste management, and the circular economy.

Intern | Energy Regulatory Commission (CRE)
AUGUST 2018 – DECEMBER 2018, MEXICO CITY, MX

- Updated and analyzed electricity rate files and collaborated on invoice reviews and operational assessments, supporting data-driven regulatory oversight.

Languages

Spanish: Native **| English:** Fluent **| French:** Fluent

Additional skills

Software: Excel (Advanced), STATA (Intermediate), EViews (Intermediate), Python (Basic), SQL (Basic).
Data Visualization & Presentation: PowerPoint (Advanced), Canva (Advanced), Flourish (Advanced), Datawrapper (Advanced), Tableau (Basic).
Additional Tools: Qualtrics, Miro.

References

Available on request.

Projects and Publications

Zenodo Profile: Link
Data repository and Python scripts for my MSc thesis on WACC calculations, LCOE modeling, and scenario analysis for Brazil's solar PV sector.

Substack – "Risks, Rates, Robots, and Rays": Link
Publish articles analyzing emerging trends in technology, energy, economics, and AI, with a focus on the U.S. and Mexico.