

RAUL A. SOSA

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EDUCATION

Universidad de San Andrés	2024
M.A. in Economics	
Universidad Nacional de Tucumán	2018–2022
B.A. in Economics	

RESEARCH FIELDS

Artificial Intelligence and NLP in Economics; Demography, Family Economics, and Fertility.

BOOK

AI at Your Side: The Student's Guide to Smarter Learning with Sebastian Galiani
Oxford University Press, 2026.

AI at Your Side is a practical guide for college students who want to use artificial intelligence to learn more, not to cut corners. Instead of a quick list of apps and tricks, it teaches a lasting way of working with AI across the subjects students actually study, from writing and research to mathematics, coding, data, economics, and finance. Its message is steady throughout: AI should sharpen your thinking, not stand in for it. Written by a senior economist and a student of the first AI-native generation, the book turns every assignment into a chance to understand more and depend less.

PAPER UNDER REVISION

Measuring Efficiency and Equity Framing in Economics Research: LLM-Based Evidence from 1950 to 2021 with Sebastian Galiani, Ramiro H. Gálvez, and Franco Mettola La Giglia [\[link\]](#)
Revise & Resubmit, *The Economic Journal* (Special Issue on AI Measurement in Applied Economics).

We measure how frontier research frames what is normatively at stake along the efficiency and equity dimension. We develop and validate an LLM-based measurement pipeline and apply it to 27,464 full-text journal articles from 1950 to 2021. Efficiency focused framing rises through the late 1980s, then declines as equity related framing expands after 1990, especially in applied work and policy evaluations. By 2021, papers with an equity component are about as common as papers framed purely around efficiency. President transmittal letters in the Economic Report of the President show a similar post-1990 shift toward equity, providing an external benchmark.

WORKING PAPERS

ARTIFICIAL INTELLIGENCE AND NLP IN ECONOMICS

Deep Research on a Loop: Using AI Agents to Construct Economic Datasets with Santiago Afonso, Sebastian Galiani, and Ramiro H. Gálvez [\[link\]](#)

Chatbots, Agents, and the Choice of Econometric Software with Sebastian Galiani and Federico A. López

Divergence in Climate Change Communication: LLM-Based Evidence from the IPCC and the Press with Sebastian Galiani and Franco Mettola La Giglia [\[link\]](#)

DEMOGRAPHY, FAMILY ECONOMICS, AND FERTILITY

The Empathy Channel in Fertility with Sebastian Galiani [\[link\]](#)

Submitted.

Composition Beats Collapse: Insights from the Bisin–Verdier Model on Endogenous Fertility Reversal with Sebastian Galiani [\[link\]](#)

Submitted.

Easy Like Sunday Morning: Organizational Design and Physician Agency in Birth Timing with Jimena S. Ferraro and Franco M. Vazquez

Submitted.

POLICY EVALUATION

Minimum Slaughter Weight Regulation in Cattle Markets: Evidence from Argentina with Federico Sturzenegger and Franco M. Vazquez

Submitted. M.A. thesis.

HONORS & AWARDS

Young Researcher Award: Special Mention 2025

Asociación Argentina de Economía Política, LX Annual Meeting.

Delaying Cattle Slaughter: Dynamic Efficiency and Transition under Minimum Age Rules, with F. Vazquez.

Young Researcher Award: Special Mention 2022

Asociación Argentina de Economía Política, LVII Annual Meeting.

Provincial Hegemonies: Public Expenditure, Investment and the Provincial Supreme Courts of Justice.

Argentine Mathematical Olympiad, National Stage Finalist 2017

Advanced through and completed all 5 elimination stages.

CONFERENCES AND SEMINARS

Pre-Doctoral Economics Conference, Tobin Center, Yale University 2026

Seminar, Universidad de San Andrés 2026

Seminar, Universidad Nacional de Tucumán 2026

LX AAEP Annual Meeting, Universidad Nacional de Río Cuarto 2025

LVII AAEP Annual Meeting, Universidad Nacional de Córdoba 2022

RESEARCH EXPERIENCE

Research Assistant – Prof. Sebastian Galiani 2025–

University of Maryland, Department of Economics

Research Assistant – Prof. Federico Sturzenegger 2025–

Universidad de San Andrés, Departamento de Economía

CIUNT Research Scholar – Profs. Osvaldo Meloni & José Bercoff 2021–2022

Universidad Nacional de Tucumán, INVECO

TEACHING EXPERIENCE

Universidad de San Andrés – Instructor 2026

Undergraduate: Economics 1

University of Maryland – Guest Lecturer, PhD Program in Economics 2025
AI for Literature Review and Model Analysis

Universidad de San Andrés – Teaching Assistant 2024–2025
Graduate: Advanced Macroeconomics, Profs. Federico Sturzenegger & Javier García Cicco.
Undergraduate: Monetary Economics, Prof. Javier García Cicco; Topics in Macroeconomics, Profs. Daniel Heymann & Saúl Keifman.

Universidad Nacional de Tucumán (INIE) – Teaching Assistant 2021–2023
Undergraduate: Inferential Statistics, Prof. Viviana Lencina.

ADDITIONAL TRAINING

Diploma in Data Science, Instituto Data Science Argentina 2023
Certified by Universidad Tecnológica Nacional.

PROGRAMMING

Python, R, Stata, Julia

LANGUAGES

Spanish (native), English (fluent), German (elementary)

ADDITIONAL INFORMATION

Citizenship: Argentine, Italian