

Alberto Ramirez de Aguilar

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Summary

Economist with a Ph.D. from the University of Pennsylvania specializing in macroeconomics, monetary policy, and quantitative modeling. Experienced in building dynamic models to analyze inflation, government debt, and policy credibility under uncertainty.

Strong background in translating complex economic frameworks into actionable insights for policy and financial decision-making. Proven ability to work with data, develop computational models, and communicate results to both technical and non-technical audiences.

Experience

Banco de México 2025–2026

Economic Researcher, Monetary Policy Affairs Division

- Conduct research on inflation dynamics, government debt, and monetary policy.
- Develop quantitative models to analyze the interaction between fiscal and monetary policy under uncertainty.
- Support policy discussions by translating research findings into actionable insights.
- Organize academic and policy seminars; coordinate research presentations and discussions.
- Lead a reading group on the economic implications of artificial intelligence.

Banco de México Summer 2024

Summer Research Program Participant

- Built and refined a dynamic framework to study how reputation affects inflation and fiscal outcomes.

Banco de México 2016–2019

Research Assistant, Directorate of Economic Research

- Contributed to research on price dynamics, inflation expectations, fiscal policy, and exchange rate pass-through.
- Assisted with empirical analysis, data processing, and policy-relevant macroeconomic research.
- Collaborated on research projects related to inflation and macroeconomic dynamics in Mexico.

University of Pennsylvania 2024–2025

Advisor for the Economics Major

- Advised approximately 200 undergraduate students on course selection, academic planning, study abroad, and major requirements.
- Communicated complex academic requirements clearly to students with diverse backgrounds and goals.

University of Pennsylvania 2020–2025

Instructor and Teaching Assistant

- Delivered lectures and tutorials in macroeconomics, microeconomics, game theory, and quantitative methods.
- Developed course materials and problem sets focused on applied economic modeling and analytical reasoning.
- Received a Teaching Certificate from the Center for Excellence in Teaching, Learning, and Innovation.

Economic Analyst

- Collaborated on a monthly publication about the Mexican economy.
- Wrote sections on inflation and the balance of payments.

Selected Research

Debt, Inflation, and Government Reputation

- Dynamic model to analyze how government credibility affects inflation and debt outcomes, which provides insights into inflation persistence, policy credibility, and the interaction between fiscal and monetary policy.

Public Good Provision and Optimal Taxation in a Hidden Savings World

- Designed a framework to study optimal taxation when agents can hide savings in an informality setting.
- Analyzed how tax design affects welfare, compliance, and public good provision.

Persuasion, Credibility, and Central Bank Communication

- Work in progress studying central bank communication using tools from information design and Bayesian persuasion.

Fiscal Policy and Inflation: Understanding the Role of Expectations in Mexico

- Co-authored research on inflation dynamics and expectations formation in Mexico.
- Published as an Inter-American Development Bank Working Paper.

Skills

Quantitative Modeling: Dynamic models, optimization, game theory, macroeconomic modeling

Programming and Tools: MATLAB, Julia, Stata, Excel, L^AT_EX

Data and Analysis: Econometrics, macroeconomic data, policy analysis, inflation analysis

Languages: Spanish native, English fluent, French basic

Education

University of Pennsylvania

2019–2025

Ph.D. in Economics

Committee: Harold L. Cole, George J. Mailath, Alessandro Dovis

Instituto Tecnológico Autónomo de México

2017–2019

M.A. in Economic Theory, Highest Honors

Instituto Tecnológico Autónomo de México

2011–2016

B.A. in Applied Mathematics, Highest Honors

B.A. in Economics

Awards

- Lawrence Robbins Prize, awarded to the best first-year Ph.D. student, University of Pennsylvania, 2020.
- Beca al Mérito Académico, ITAM, 2011.