

KATHERINE M. ANTONIO

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Summary

- Professionally trained economist with private and public sector experience in the U.S. and Bolivia.
- Experience coding in Stata/SAS and GAMS for econometric and economic analysis.
- 10+ years of specialized experience in energy and environmental economics.
- Professorships teaching various economics courses to university students in two languages.
- PhD(c) in Economics with M.A. degrees in Economics, International Development, and Public Service Regulations.
- U.S. citizen with advanced English language proficiency and native Spanish, intermediate Portuguese.

Selected Professional Experience

INTER-AMERICAN DEVELOPMENT BANK, Washington, D.C. Nov-2018

Economic Consultant - Energy Division

- Assisted to the Senior Research Economist in the Energy Division with responsibilities involving report writing and data analysis.

THE WORLD BANK GROUP, Washington, D.C. 2018

Short Term Consultant (50 days contract) - Macroeconomics & Fiscal Management Global Practice

Assisted to the Senior Research Economist in the Macroeconomics Division. I prepared reports and presentations for senior-level review and perform data analysis using Stata, GAMS, and computable general equilibrium analysis.

RTI INTERNATIONAL, Durham, North Carolina 09/2016 to 10/2018

Research Economist / Intern

- Assistant to the Senior Research Economist at RTI's Center for Environmental, Technology, and Energy Economics. Provided analytical support for Environmental Protection Agency climate change modeling programs.
- Using different modeling and analytical tools, including Excel, Stata, and GAMS, I cleaned data and produced evidence-based reports on a variety of economic, environmental, and energy-related topics.

BOLIVIAN PRESIDENTIAL AGENCY FOR THE BICENTENNIAL AGENDA, La Paz, Bolivia 06/2013 to 02/2014

Senior Energy Economist

- Wrote the Energy Sector portion of Bolivia's "Agenda 2025," a comprehensive document containing long-term goals, guidelines, projects, and government actions related to the strategic development of the Bolivian economy.

BOLIVIAN HYDROCARBONS AND OIL CORPORATION (YPFB), La Paz, Bolivia 10/2011 to 12/2012

Senior Economist – Financial and Investments Analyst

- Supervised and helped negotiate contracts for the exploration & production of national hydrocarbon resources, to include defining the economic terms for public-private shares.
- Prepared and analyzed contracts for the construction of industrial plants for products derived from natural gas.
- Regularly advised senior ministerial-level officials on energy and environmental policy, including the financial and economic implications of pursuing certain natural resources development and investment strategies.

THE NATURE CONSERVANCY, La Paz, Bolivia 09/2008 to 03/2010

International Financial Institutions (IFI) Coordinator

- Developed public fundraising strategies and advised on environmental policies.
- Served as a proposal writer and assisted Country Managers with the preparation of grant requests to IFIs.
- Identified environmental public grants and loans from IFIs allocated to projects in Argentina, Bolivia, Chile, and Peru

GOVERNMENT OF BOLIVIA

From 2001-2007 I rotated among a series of policy analysis and operations evaluation positions for different ministries of the Bolivian Government. Below is an abbreviated list of the positions I've held and my work responsibilities.

SOCIAL AND ECONOMIC POLICY ANALYSIS UNIT (Energy Economist)

- Developed economic and legal analyses of the electric and hydrocarbons sectors for the Bolivian cabinet.
- Performed economic analysis of the upstream and downstream effects of Bolivian energy sector regulations.

ENDESA-NATURAL GAS REGULATION AREA (Economist Intern during my year in Spain)

- Analyzed data of entry-exit charges to natural gas pipelines for four European countries.

REGULATORY AGENCY OF HYDROCARBONS (Financial and Economic Analyst)

- Provided research support, analysis, and recommendations for the agency's regulatory budget.
- Conducted daily analysis of the global hydrocarbons prices for the internal country market with reference to the WTI.
- Supervised auditors during audits and consultants engaged in evaluating corporate management & operating practices.

MINISTRY OF EDUCATION (Statistician)

- Analyzed the impact of the implementation of bilingual education in public schools using propensity score matching methodology applied to educational and socio-economic data.
- Conducted survey research and designed methodology for the implementation for the "Collective Incentive to Improve the Quality of Public Schools" program, including developing internal efficiency indicators.

REGULATORY AGENCY OF TRANSPORTATION (Operations Evaluation Consultant)

- Responsible for compliance reporting related to agency regulatory policy and achieving agency operational objectives.

DEVELOPMENT CENTER FOR ECONOMIC RESEARCH (Analyst and Field Supervisor)

- Implemented the Manufactured Products Census; performed demand estimation and sensitivity analysis.

Selected Teaching Experience

UNIVERSITY OF NORTH CAROLINA AT GREENSBORO

- Macroeconomics (Spring, Summer, & Fall 2017)
- Microeconomics (Spring 2013, Winter 2015)

UNIVERSIDAD PRIVADA BOLIVIANA, LA PAZ, BOLIVIA

- Environmental Economics / Econometrics / Development Economics (2006-2009)

Education

UNIVERSITY OF NORTH CAROLINA AT GREENSBORO , PhD(c) in Applied Economics <i>GPA: 3.94</i>	Expected December 2019
DUKE UNIVERSITY , M.A. in International Development Policy <i>Graduate Diploma in Project Appraisal and Risk Management</i>	May 2011
UNIVERSITAT DE BARCELONA , M.A. in Economics & Regulation and Competition in Public Services	May 2006
UNIVERSIDAD CATOLICA BOLIVIANA , B.A. in Economics	May 2000

Selected Professional Training

Intro to Applied General Equilibrium Analysis in a Multi-Region Framework, Global Trade Analysis Project, 07/2017; **Energy & Environmental CGE Modeling with GAMS**, EcoMod, 05/2017; **Stata Training Conference**, StataCorp, 07/2017; **Large Scale CGE Dynamic Modeling**, U.S. International Trade Commission (USITC), 06/2018

Professional Service

Annual Conference Global Trade Analysis Project – Purdue University, Abstracts Reviewer years 2018 and 2019

Presentations, writing samples and references upon request.