

# PAULO CESAR RAMOS HUARACHI

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## Education

### Universidad Nacional de Ingeniería

2023-Present **Degree:** Master of Science Economic Engineering **Focus:** High-level training in economic theory and using quantitative tools to equip graduates for conducting high-quality economic research. **Status:** Currently in the last cycle, with expected completion in the first semester of 2025. [link](#) Lima, Perú

### Universidad Mayor de San Andrés

2014-2020 **Degree:** Bachelor's in economics, Specialist in Economic Analysis [link](#) **Academic Ranking:** 4th place of 218 students in the same cohort [link](#) **Thesis Defense:** Passed with distinction, scoring 100/100 **Thesis Title:** "Effectiveness of Fiscal Policy in the Economic Cycle of Bolivia" La Paz, Bolivia

### Universidad Privada de Bolivia

2021-2022 **Degree:** Postgraduate in Quantitative Methods for Economic Analysis **Areas of Study:** Macroeconometrics, Microeconometrics, Nonlinear and Financial Econometrics La Paz, Bolivia

### Universidad "Escuela Militar de Ingeniería"

2016-2017 **Degree:** Postgraduate in Applied Quantitative Economics **Areas of Study:** Time Series Econometrics, Microsimulation, and Impact Evaluation La Paz, Bolivia

## Academic and Professional Goals

My primary objective is to contribute to the decision-making process and the formulation of public policies related to fiscal, productive, monetary, and social issues, all aimed at fostering my country's economic and social development. This will be achieved through rigorous quantitative analysis, econometric modeling, and empirical research.

I aspire to further my career as both an educator and a researcher. I am committed to sharing my knowledge and experience with students and colleagues in my country through teaching, workshops, mentoring, and seminars related to economic research. Additionally, I aim to influence economic policy in my country and international institutions, thereby creating a bridge between academic research and practical policy implementation.

## Professional and Academic Experience

### Universidad Alberto Hurtado - Chile

2024-Present **Role:** Reviewer, *Revista Análisis Económico (RAE)* **Responsibilities:** As a peer reviewer for research articles submitted to this academic journal. [link](#) Santiago, Chile

### Research Institute in Economics and Finance

2022-Present **Research and Teacher Assistance in Heterogeneous Agents in Macroeconomics and Asset Pricing** **Assist Professor** associated with RIEF in academic research (papers and books). **Passing the hand-written professor's notes to LaTeX, developing Matlab/Python code, and being a Teaching Assistant** in any course related to this topic. Lima, Perú

### Ministry of Economy and Public Finance (MEFP)

2020-Present **Role:** Econometric Researcher, Fiscal Analysis and Studies Unit **Manage the process of drafting, reviewing, editing, and publishing the *Cuadernos de Investigación Económica Boliviana* Journal** (composed in LaTeX), which promotes research and analysis on topics relevant to the Bolivian economy. **Research fiscal, real, financial, price, and external sectors, applying econometric tools to provide scientific evidence of the impact of economic policies.** **Participate in intra- and inter-institutional technical teams for economic analysis using econometric tools, contributing to the preparation of relevant documents and reports to support decision-making.** La Paz, Bolivia

### Universidad Mayor de San Andrés

2017-2019 **Undergraduate Teaching Assistant** **Courses:** Microeconomics I, Macroeconomics I, and Macroeconomics II **Assisted the professor with classroom instruction, practice sessions, and software applications relevant to the course material.** **Conducted applied research projects in the field, employing econometric methodologies.** **Organized supplementary classes to support undergraduate students in their tasks.** La Paz, Bolivia

## Relevant Courses and Seminars

2024	<b>Technical Assistance Ministry of Economy - Inter-American Development Bank (IDB) FISLAC Project</b>	
	<ul style="list-style-type: none"> <li>■ Focused on fiscal sustainability for Latin American and Caribbean countries.</li> <li>■ Analysis of macro-fiscal variables and evaluation of the economic impacts of macroeconomic policies.</li> <li>■ <i>General equilibrium model</i> for policy design and application in forecasting economic impacts.</li> <li>■ Application of models to predict impacts on the national economy and public finances.</li> </ul>	
	La Paz, Bolivia	
2023-2024	<b>Grupo Lambda Perú (λ)</b>	
	<ul style="list-style-type: none"> <li>■ <b>Macroeconomic Analysis and Forecasting with Machine Learning</b> Application of Machine Learning to Economic and Financial Time Series Data</li> <li>■ <b>Applied Macroeconometrics</b></li> <li>■ <b>R and Python for Economists</b></li> </ul>	
	Lima, Perú	
2022-2023	<b>RIEF - Teaching in Summer School in Economics and Finance (5<sup>th</sup> and 6<sup>th</sup> version)</b>	
	<ul style="list-style-type: none"> <li>• Boot Camp - Intensive Training Course in MATLAB. <a href="#">link</a></li> </ul>	
2020	Lima, Perú	
	<b>Coursera</b>	
	<ul style="list-style-type: none"> <li>■ Game Theory with Python</li> <li>■ Business English: Finance and Economics</li> </ul>	
2019-2022	Online Courses	
	<b>International Monetary Fund (IMF) EdX</b>	
	<ul style="list-style-type: none"> <li>■ Macroeconometric Forecasting</li> <li>■ Monetary Policy Analysis and Forecasting</li> <li>■ Macroeconomic Diagnostics</li> <li>■ Financial Programming and Policies</li> </ul>	
	edX Courses	

## Awards and Distinctions

2024	Banco Central de Bolivia	
	Awarded second place in the category "Open to Other Macroeconomic and Financial Topics" for the paper "Macroeconomic and Redistributive Impact of Tax Reforms with a Heterogeneous Agents Model," co-authored with Andres Monzon, in the research paper competition at the Seventeenth Meeting of Economists.	
2024	Sucre, Bolivia	
2024	<b>Bolivian Society of Economists</b>	
	Presenter, Bolivian Conference on Economic Development (BCDE)	
2023	Evaluation of Household Welfare in Food Consumption ( <a href="#">link</a> )	
	Tarija, Bolivia	
2023	<b>Ministry of Economy and Public Finance</b>	
	Academic Recognition Certificate signed by the Minister of Economy	
2021-2024	Awarded for the research paper " <i>Evaluation of Household Welfare in Food Consumption</i> ", which significantly contributes to the state-of-the-art and scientific research in the economic and social fields of the country.	
	La Paz, Bolivia	
2021-2024	<b>Ministry of Economy and Public Finance</b>	
	<i>Memorandum of Commendation:</i> Recognized for exceptional effort, dedication, teamwork, and commitment during the development of my duties.	
2019	La Paz, Bolivia	
2019	<b>Faculty of Economics and Business, University of Chile; Private University of Bolivia; and Bolivian Catholic University</b>	
	Excellence Course in Economics	
2017	<i>Completed with Distinction:</i> Ranked 3rd	
	<i>Key Subjects:</i> Macroeconomics, Microeconomics	
2017	<b>Universidad Mayor de San Andrés – Economics Department</b>	
	Invited as a Teaching Assistant in Microeconomics	
	Paz, Bolivia	

## Publications

2024 (In Progress)	<b>Heterogeneous Effects of Monetary Policy: A Heterogeneous Agents Approach</b>	
	<i>Master's Thesis</i>	
2024 (In Progress)	<i>Advisor: PhD, Hamilton Galindo</i>	
2024 (Forthcoming, October)	<b>Assessing the Effectiveness of Monetary Policy Tools Under De-dollarization: A Time-Varying Analysis</b>	
	Working paper <a href="#">link</a>	
2024	<b>Machine Learning Insights into Bolivia's Economic Downturns</b> <a href="#">link</a>	
	<i>Accepted, it will be published in October</i>	
2024	<b>Central Bank of Bolivia</b>	
	Macroeconomic and Redistributive Impact of Tax Reforms: A Heterogeneous Agents Model <a href="#">link</a>	
2023	<i>Co-authored with Andres Monzon</i>	
2023	<b>Cuadernos de Investigación Económica Boliviana (CIEB)</b>	
	Assessment of Household Welfare in Food Consumption: An Application of Vartia's Algorithm <a href="#">link</a>	
2021	<i>Co-authored with Aruquipa Alvaro - Legal Deposit: 4-3-131-15 P.O., ISSN: 2518-4687</i>	
2021	<b>Memoria de la Economía Boliviana 2021</b>	
	Section: Intergenerational Income Mobility in Bolivia	
	<i>Legal Deposit: 4-1-255-2022 P.O., ISBN: 978-99974-348-7-6</i>	

2021	<b>Cuadernos de Investigación Económica Boliviana (CIEB)</b> <b>Effects of Real Exchange Rate Movements in a Theoretical Model for Bolivia</b> <a href="#">link</a> <i>Co-authored with Huanto Christian - Legal Deposit: 4-3-131-15 P.O., ISSN: 2518-4687</i>
2020	<b>Konrad Adenauer Stiftung Foundation (KAS)</b> <b>Chapter 11 in the Book: Informal Economy and Informality in a Multiethnic Society Informality – Labor Market</b> <a href="#">link</a> <i>Co-authored with Iván Velásquez - Legal Deposit: 4-1-403-20, ISBN: 978-99954-1-957-8</i>
2019	<b>Revista Económica de Estudiantes REDES, Issue No. 5. Universidad Católica de Bolivia (UCB)</b> <a href="#">link</a> <b>Small Open Economy Model: The Case of Bolivia</b> <i>Co-authored with Andres Monzón &amp; Diego Paxi</i>
2018-2019	<b>Student Research, Innovation, and Social Interaction Fair (ESTU FERIA 2018 and 2019). Universidad Mayor de San Andrés (UMSA)</b> <ul style="list-style-type: none"> <li>■ Effects of Human Capital and Employment Quality on Poverty: A Logistic Approach for Bolivia</li> <li>■ Microeconomic Determinants of Poverty in Bolivia</li> </ul> <i>Co-authored with Choque Elvis</i>

### Other Activities

2022	<b>Universidad Mayor de San Andrés</b> <ul style="list-style-type: none"> <li>■ Member of Graduates Commission for the Accreditation Process for ARCUSUR System of MERCOSUR.</li> </ul>	La Paz, Bolivia
2022	<b>Research Institute in Economics and Finance</b> <ul style="list-style-type: none"> <li>■ Participant in the EconFin Reading Group: Heterogeneous Agents in Asset Pricing</li> </ul>	La Paz, Bolivia
2018 - 2019	<b>Universidad Mayor de San Andrés</b> <ul style="list-style-type: none"> <li>■ Member of the Merit Evaluation Committee for Faculty in the Economics Department and Academic Research and Service Assistants.</li> </ul>	La Paz, Bolivia
2018	<b>Universidad Mayor de San Andrés – Carrera de Economía</b> <ul style="list-style-type: none"> <li>■ Representative of Teaching Assistants.</li> </ul>	La Paz, Bolivia

### Academic References

#### Jose M. Berrospide, Ph.D.

*Ph.D. in Economics, University of Michigan*

Professor and Director of Program Direction, Financial Stability, Federal Reserve System

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#### Hamilton Galindo Gil, Ph.D.

*Ph.D. in Finance, Arizona State University*

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#### Rómulo Chumacero, Ph.D.

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#### Iván Velásquez Castellanos, Ph.D.

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#### Omar Velasco Portillo, M.Sc.

*M.Sc. in Economics, Georgetown University*

University Professor, Department of Economics, Universidad Mayor de San Andrés

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### Professional References

#### Claudia Ramos Capaquira, M.Sc.

*M.Sc. in Economic Development, University of Glasgow*

Economist, Former Head of the Unit of Fiscal Analysis and Studies, Ministry of Economy and Public Finance

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#### Deysi Mónica Mamani Tola, M.Sc. (Candidate)

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### **Additional Information**

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**Nationality:** Bolivian

**Date of Birth:** 28 October 1992

**Computing Skills:** Microsoft Office (Advanced); Visual Studio Code; Stata (Advanced); Eviews (Advanced); MATLAB (Advanced); R (Intermediate); Python (Intermediate); Julia (Basic)

**Economic Modelling:** Bayesian Econometric Analysis Regression Toolbox; Dynare Toolbox; IRIS Toolbox; Scikit-learn library for machine learning.

**Research Tools:** LaTeX (Advanced, with editors such as Overleaf, TeXStudio, and WinEdt; proficient in TikZ, Tables, BibTeX, Article, Books, Beamer, and Poster format); Zotero; Connected Papers; Research Rabbit for literature review.

**Languages:** Spanish (native); English (advanced reading and writing); TOEFL test to be taken in June this year.

Updated: January 2025