

Claudia Vivas

Bachelor in Economics - Pontifical Catholic University of Peru (PUCP)
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Summary

Bachelor in Economics ranked in the top 10% at PUCP with expertise and interest in Health Economics, Spatial Analysis, Microeconometrics, and Data Science. Proven experience in research, data management, and statistical modeling. Passionate about applying analytical skills to economic research and contributing to evidence-based social policy.

Education

Pontifical Catholic University of Peru (PUCP) 2017 – 2023
Bachelor in Economics Top 10% of class

National Institute of Statistics and Informatics of Peru (INEI) Sep – Dec 2024
University Extension Program in Data Science. Third place
Coursework: Data Engineering, Machine Learning, Deep Learning, Statistical Estimation.
Final project: Online CPI calculation GitHub

Pontifical Catholic University of Chile Aug – Nov 2024
Diploma in Impact Evaluation of Public Programs and Policies
Coursework: Impact Evaluation Methods, Public Policy and Evidence.

Research Experience

Laboratory of Statistics Feb 2025 – Present
National Institute of Statistics and Informatics - Perú
- Develop solutions based on machine learning and artificial intelligence for Office modernization.

University of the Pacific Feb 2024 – Feb 2025
Economics Research Assistant
- Developed econometric models in Stata and conducted advanced data cleaning and analysis of the Demographic and Family Health Survey.
- Drafted academic content on mental health and obesity and prepared research grant proposals.

PUCP - Department of Economics Jan 2022 – Present
Research Assistant
- Designed modular Stata scripts and analyzed large-scale datasets, including four Peruvian censuses (1981, 1993, 2007, 2017).
- Created geospatial analyses using GeoPandas and QGIS, and performed geocoding with Google Maps API.
- Authored academic content and literature reviews on health inequality, pensions, and subjective well-being.
- Collaborated on multi-country data analysis, including Latinobarómetro, World Value Survey, and National Household Surveys.

World Food Programme - UN Aug 2023 – Mar 2024
Monitoring and Evaluation Intern
- Designed dashboards and reports to track humanitarian program outcomes.
- Conducted data analysis for internal surveys and end-line assessments for program evaluations.

The University of Chicago Booth School of Business Feb 2022 – Dec 2023
Remote Research Assistant

- Conducted web scraping and data analysis of public investment and electoral datasets using Python.
- Managed code repositories with GitHub and created geospatial visualizations with GeoPandas and QGIS.
- Prepared datasets from multiple sources, including the National Jury of Elections and Educational Census.

Working Papers

Unveiling Injustice: Analyzing Child Mortality Inequality Across Decades and Demographics in Peru (1981-2017)

Under Revision at *World Development*

Authors: Pedro Francke, Cesar Huaroto, Claudia Vivas

- Draft available upon request.

Honors and Awards

VI Research Competition Winner – Ministry of Development and Social Inclusion Aug 2024

Impact of Travel Time on Access to Health Services for the Elderly in Peru.

Author: Claudia Vivas

CIES Annual Research Competition – Winning Team Aug 2024

* *Child and Adolescent Pregnancy in Peru: Long-Term Trends, Factors, and Inequalities Based on the 1981-2017 Censuses.*

Authors: Pedro Francke, Rossana Mendoza, Claudia Vivas

* *Impact of "Cuna Más" on Mothers' Mental Health: Evidence from a Regression Discontinuity Design.*

Authors: Noelia Bernal, Joan Costa-Font, Claudia Vivas

Courses, Seminars, and Workshops

Evidence in Governance and Politics (EGAP) Aug 2024

- Workshop focused on the design, implementation, and analysis of Randomized Controlled Trials (RCTs) for social science research.
- Key topics: research design, hypothesis testing, statistical inference, and advanced analysis using R.

National Institute of Statistics and Informatics (INEI)

- Analysis of Sociodemographic Indicators Oct - Nov 2022
- Intermediate Stata 2020

Elective Courses in Economics (PUCP)

- Complex Samples and Causal Inference Aug - Dic 2022 (First place)
- Data Analysis Mar - Jun 2022 (Third place)
- Machine Learning & Causal Inference Aug - Dic 2021 (First place)

Master's Courses in Economics (PUCP)

- Intermediate Econometrics Mar - Jun 2022 (Second place)
- Advanced Econometrics, Cross Section and Panel Aug - Dic 2022 (Second place)

Artificial Intelligence and Computational Methods Laboratory (PUCP)

- Winter School Aug 2024 (Full Scholarship)
Coursework: Machine Learning & Causal Inference for Social Science, Advanced Topics in Empirical Industrial Organization, and Advanced Topics in Macroeconomics.
- Summer School Jan - Mar 2022 (Full Scholarship)
Coursework: Machine Learning for Social Sciences, Fundamentals of Python, and Advanced Applied Econometrics.

Conferences

- First ECINEQ-LAC Meeting Mexico** Dec 2024
Unveiling Injustice: Analyzing Child Mortality Inequality across Decades in Peru (1981-2017).
Authors: Cesar Huaroto, Pedro Francke, Claudia Vivas
- 100 Years of Barriadas Congress** Oct 2024
Infant Mortality in Lima: Inequalities 1981-2017.
Authors: Cesar Huaroto, Pedro Francke, Claudia Vivas
- Annual Congress 2024 of the Peruvian Economics Association** Aug 2024
Unveiling Injustice: Analyzing Child Mortality Inequality across Decades and Demographics in Peru (1981-2017).
Authors: Cesar Huaroto, Pedro Francke, Claudia Vivas
- Fourth Regional Pre-Conference of Health Systems Global** Dec 2023
Access to Public Health Services and Travel Time: Study on Older Peruvian Adults (2015-2019).
Author: Claudia Vivas

Technical Skills

Programming Languages: Python, R, Stata, QGIS
Version Control: Git, GitHub
Other Tools: L^AT_EX, R Markdown, Jupyter Notebooks

Languages

Spanish: Native
English: Advanced
Updated: January 2025