Luis Palomino

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EDUCATION

Universidad Nacional Mayor de San Marcos

B.A. in Economics | Ranked in the top quintile of the class

Lima, Peru

May 2020 - Present

Remote, part-time

2016

WORK EXPERIENCE

Economics Consultant - Research Department

Inter-American Development Bank

Supervisor: Juan Pablo Chauvin, Ph.D (Dec 2020 – Present)

- · Generation and analysis of high-frequency indicators: mobility, visits to points of interest and migration
- · Processing of geo-referenced data of mobile phones in Latin American and Caribbean using AWS
- $\bullet \ \ Implementing \ the \ AWS \ architecture \ to \ process \ mobile \ phones \ data \ obtained \ through \ the \ \underline{Data} \ Development \ Partnership$

Supervisor: Julián Cristia, Ph.D (May 2020 – Apr 2021)

- Analysis and discussion of a pilot to promote the use of the Conectaldeas platform in Chile
- Supported the implementation of a field experiment (RCT) to promote math learning using the Conectaldeas platform in Peru
- · Analysis and discussion of visits to schools using data at the geohash level in Chile
- Processing of geo-referenced data of mobile phones in Latin American and Caribbean using Amazon Web Services (AWS)

Senior Research Assistant - Macroeconomics and International Policy

Aug 2017 – Feb 2021

Research Center of Universidad del Pacífico

Lima, Peru

- Supervisor: Bruno Seminario, Ph.D.
 - Led the coordination of research projects with multidisciplinary teams
 - Prepared research proposals, drafted research papers, reports, and presentations
 - Designed algorithms for computer simulations
 - Processed and analyzed satellite and geo-referenced information
 - Processed and analyzed different types of data employing advanced econometric methods

Senior Research Assistant - Marketing Group

Jan 2016 - Dec 2019

Remote, part-time

Universidad Carlos III de Madrid

Supervisor: Jaime Rivera, Ph.D.

- Verification of hypotheses of theoretical models using different statistical methods
- Instrumentalization of theoretical model variables using data from primary or secondary sources
- · Design of surveys to executives of companies that operate in different industrial sectors
- Literature review and development of theoretical research frameworks

Internship - Macroeconomic Models Department

Jul 2015 – Dec 2015

Lima, Peru

Supervisor: Marco Ortiz, Ph.D.

Central Bank of Peru

- · In charge of analyzing and programming algorithms to solve Dynamic and Stochastic General Equilibrium Models
- · Supported research staff in drafting academic articles
- · Updated the Quarterly Projection Model database and running the General Equilibrium Model with Dollarization

TEACHING EXPERIENCE

Teaching Assistant - Department of Economics (undergraduate)

Aug 2018 - Jul 2022

Universidad del Pacífico

Lima, Peru

- International Macroeconomics Professor: Marco Ortiz (2020-I, 2020-II, 2021-II, 2021-II, 2022-I)
- Advanced Macroeconomics Professor: Marco Ortiz (2018-II, 2019-I, 2019-II, 2020-I)
- Economic Growth Professor: Marco Ortiz (2019-I, 2019-II)
- Introductory Macroeconomics Professor: Jorge Marcelo Franco (2018-II)

Teaching Assistant - Faculty of Economic Sciences (undergraduate)

Mar 2016 – Jul 2017

Universidad Nacional Mayor de San Marcos

Lima, Peru

• Advanced Macroeconomics - Professor: Juan Mendoza (2016-I, 2017-I)

- International Monetary Theory Professor: Juan Mendoza (2016-II)
- Advanced Microeconomics Professor: Derry Quintana (2016-II)

PUBLICATIONS

Refereed journal articles

"Determinants of the evolution of the number of COVID-19 cases and deaths in Peru: Mobility, geography and economic development" (with Bruno Seminario, Vanessa Berrocal & Analucía Gastiaburú), *Apuntes*, 91, 4-45, 2022. (*Original in Spanish*)

Books

"Estimation of GDP at the subnational level using satellite data of night lights: Peru 1993-2018" (with Bruno Seminario), *Universidad del Pacífico, Research Document*, 2022. (Original in Spanish)

Book chapters

"Concentration of economic activity and population in Peru, 1795-2018" (with Bruno Seminario). In *A search of integral development:* 20 essays on the bicentennial of Peru, Arlette Beltrán, Cynthia A. Sanborn & Gustavo Yamada (editors), Lima: Universidad del Pacífico, 2021. (Original in Spanish)

"Peruvian regional inequality: 1847–2017" (with Bruno Seminario & María Alejandra Zegarra). In *Time and Space: Latin American Regional Development in Historical Perspective*, Daniel A. Tirado-Fabregat, Marc Badia-Miró & Henry Willebald (editors), London: Palgrave Macmillan, 2020.

Working papers

"Socioeconomic status and mobility during the COVID-19 pandemic: An analysis of eight large Latin American cities" (with Daniel Aromí, M. Paula Bonel, Julián Cristia & Martín Llada), *Inter-American Development Bank, Working Paper 1184*, 2021.

"How can we promote the use of learning platforms? Results of a pilot study in Chile" (with Elena Arias Ortiz & Julián Cristia), Inter-American Development Bank, Technical Note 2403, 2021. (Original in Spanish)

"The Macro-Economic Effects of Hurricanes in The Bahamas: A Case Study Using Satellite Night Light Luminosity" (with María Alejandra Zegarra, Laura Giles & Mikael Gartner), Inter-American Development Bank, Catalogs and Brochures, 2021

"Impact of Hurricane Dorian in The Bahamas: A view from the sky" (with María Alejandra Zegarra, Juan Pedro Schmid & Bruno Seminario), Inter-American Development Bank, Technical Note 1857, 2020.

"Estimation of departmental GDP and analysis of regional inequality in Peru: 1795-2017" (with Bruno Seminario & María Alejandra Zegarra), Inter-American Development Bank, Working Paper 1016, 2019. (Original in Spanish)

RESEARCH IN PROGRESS

"Development and long-term cycles in Peru, 1700-2020" (with Bruno Seminario & Vanessa Berrocal).

"Extractive industries, inequality and welfare in developing countries: Mining industry in Peru" (with Gonzalo Delgado, Álvaro Paredes & Bruno Seminario).

"Pension coverage in Chile, Colombia and Peru: Demography, migration and labor" (with María Amparo Cruz-Saco, Mirian Gil & Bruno Seminario).

"Evolution of the economic space in Peru since 1795" (with Bruno Seminario & María Alejandra Zegarra).

"Use of Satellite Images and Machine Learning to estimate indicators of economic activity at the subnational level in Peru".

"Social license in extractive industries in Peru: Determinants and effects on financial performance" (with Robert McDonald & Jhinia Garcia).

"How to develop sustainable agriculture and livestock in the different regions of Peru?" (with Jhinia Garcia).

PROFESSIONAL ACTIVITIES

Presentations

XIX World Economic History Congress - WEHC 2022

Jul 2022

Session organizer and speaker

VII Latin American Congress of Economic History - CLADHE 2022

Session organizer and speaker

Mar 2022

Affiliations

Research Center of Universidad del Pacífico (CIUP)

Jun 2022 - Present

Center for Mining and Sustainability Studies of Universidad del Pacífico (CEMS-UP)

May 2022 - Present

GRANTS AND AWARDS

University of Connecticut

2022-2024

Graduate Assistantship (MA in Latino & Latin American Studies) - El Instituto & Department of Economics

XIX World Economic History Congress - WEHC 2022

2021

Grant of 1500 EUR to participate as a speaker in the congress

SKILLS

Software: Matlab, Stata, Eviews, Python, R, ArcGIS, QGIS, SQL, JavaScript, Julia, Fortran, C++, GitHub, HTML, Excel, Lately Cloud computing: Amazon Web Services (S3, Glue, Athena, EMR, SageMaker, CloudFormation, IAM)

OTHER TRAINING AND VOLUNTEER ACTIVITIES

Training

Stanford University & University of British Columbia - Coursera 2021

Game Theory, Game Theory II - Advanced Applications

Instituto de Matemática y Ciencias Afines - IMCA 2020

Linear algebra, real analysis

Central Bank of Peru 2015

Macroeconomic Models with Financial Frictions

Pontificia Universidad Católica del Perú (postgraduate) (free student per semester)

2014-2015

Topics in Advanced Macroeconomics, Advanced Macroeconomics, Advanced Microeconomics, Advanced Econometrics

Pontificia Universidad Católica del Perú (undergraduate) (free student per semester)

2013-2014

International macroeconomics, Monetary theory, Econometrics (Cross Section, Time Series), International microeconomics, Financial and Banking Economics

Universidad Nacional de Ingeniería (undergraduate) (free student per semester)

2013-2015

Seminar on Economic Research, Capital Markets, Macrodynamics

Volunteer

<u>Crea+</u> (teaching math for secondary school students)

Universidad Nacional Mayor de San Marcos (teaching math and macroeconomics for admitted students)