

STEPHY RIEGA ESCALANTE

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Calle Julian Sandoval 165, Surquillo, Lima, Peru

EDUCATION

Pontificia Universidad Catolica del Peru

October 2022 - Present

Diploma of Specialization in Data Science for Social Sciences and Public Administration

Pontificia Universidad Catolica del Peru

March 2017 - July 2022

BA of Social Science in Economics

Top 5%

Graduate level courses: Social Policy Design and Evaluation, Advanced Econometrics: Cross-Sectional and Panel Econometrics, Fundamentals of Real Analysis.

INTERESTS

Main: Applied Microeconomics, Data Science, Education

Secondary: Labor and Gender

RESEARCH EXPERIENCE

Innovations for Poverty Action (IPA)

Lima, Peru

Research Intern/Analyst

Nov 2021-Present

- Assisted in the implementation and impact evaluation of the semi-remote project "Empower your mind in family" in El Salvador, an experimental intervention carried out in partnership with the Ministry of Education and BID.

Helped in programming the survey and audit instruments in SurveyCTO, as well as the implementation of bench testing and pilots. Remote training and managing the field and audit teams that conducted the data collections in both the baseline and pilot. Overseeing data collection activities in the on-site pilot, maintaining data quality protocols and in charge of data quality audits of the endline creating a dashboard in Shiny. Helped in the elaboration of progress and results reports to PIs and research partners and sharing them.

- Assisted in the implementation of the remote project "Socioemotional Support in times of COVID-19" in Nicaragua, an experimental intervention carried out in partnership with the Ministry of Family, BID and Zamora Teran's Foundation in Nicaragua.

As usual, I helped in programming the survey in SurveyCTO, as well as the implementation of remote pilots. However, since the survey was self-managed and via messages, we used Twilio, a cloud contact center platform that allowed us to send WhatsApp messages, to deliver the link to the survey and reminders to complete it.

I collaborated in creating the flows of messages in the platform, the Python codes that triggers the delivery of them and the data collection flow using Google API and its Google Sheets services. For the progress review of the data collected by this platform, I also created a dashboard in PowerBI.

- Assisted in the implementation of the remote project "Real Man Challenge" in Perú, an experimental intervention carried out in partnership with the Ministry of Women and Vulnerable populations of Peru, the World Bank.

Helped in programming the survey and audit instruments in SurveyCTO, as well as the implementation of bench testing and remote pilots. I was part of the team that remote trained and managed the survey field and audit team (40 surveyors) that conducted the data collections in both the endline collection and its pilot. For

the progress review of the data collected by SCTO of the endline survey and the audit survey, I also created a dashboard in PowerBI.

We used Twilio to send reminders and to collect contact information. For this, I created the flows of messages in the platform and the Python codes that triggers the delivery of them. Also, we used YAPE, PLIN and phone recharges to deliver the incentives to the participants. Lastly, I helped in the elaboration of the slides and to present the results of field collection to the principal investigators.

Group of Analysis for Development (GRADE)

Research Intern

Lima, Peru

Feb 2021-Jul 2021

- Assisted PhD. Martin Valdivia in the elaboration of estimations and graphs using an RCT dataset related to the impact evaluation of a labour formalization programme in Brazil. I made use of Stata and L^AT_EX.
- Supported in literature review, elaboration of descriptive tables using Stata and data analysis for a consultancy related to corruption detection as non-pecuniary damage using Machine Learning methods.
- Supported in the construction of a data panel, analysis of the dataset (tables and graphs) and estimation of a panel event study on the fertility rate in Peru. Our main dataset was built from ENDES (1996-2020) and I made use of Stata.

HONORS AND AWARDS

1. The Extraordinary Fund for the Support of Student Research for BA Thesis given by **The Vice-Rector's Office for Research (VRI) of the PUCP and the Faculty of Social Sciences, Peru, 2022.**
2. Many scholarships awarded to course **different classes related to Econometrics and Machine Learning** given by **Laboratory of Artificial Intelligence and Computational Methods in Social Sciences (QLAB-PUCP), Peru, 2020.**

Advanced Econometrics: Impact Evaluation (2020), Machine Learning for Social Sciences (2020), Natural Language Processing (2021), Remote Sensing Image Processing using Quantum-GIS and Deep Learning (2021)

3. Outstanding student in the **top 4 %** of students enrolled in 2021-2 in **Economics at PUCP**.
4. Outstanding student in the **top 2 %** of the historic record of students enrolled in **Economics at PUCP**.
5. Outstanding member of the Research and Publications Area of "**Economica**" in **2021-1**.

OTHER COURSEWORK & ACTIVITIES

Statistical Data Analysis with STATA

INFO - PUCP

completed July 2020

Advanced Applied Econometrics: Impact Evaluation

QLAB - PUCP

completed Oct 2020

Machine Learning for Social Sciences

QLAB - PUCP

completed Feb 2020

Natural Language Processing

QLAB - PUCP

completed Nov 2021

Remote Sensing Image Processing using Quantum-GIS and Deep Learning

QLAB - PUCP

completed Nov 2021

TECHNOLOGY SKILLS

Programming Language:

Stata (Advanced), Python (Intermediate: pandas, scikit-learn), R (Intermediate), MATLAB (Intermediate), SQL (Basic), Quantum-GIS (Basic)

Editors and Others:

LATEX(Intermediate), Git (Intermediate), Markdown (Basic), SurveyCTO(Intermediate)

PUBLICATIONS

Cuando migrar no es suficiente: una comparación de la calidad de empleo de los migrantes y no migrantes en el Perú urbano del 2019.

Article for Bulletin - Economica

Oct, 2021

Las licencias obligatorias de las vacunas y sus posibilidades en la pandemia del Covid-19 en Perú.

Web article - Economica

Mar, 2021

La crisis de la educación y la introducción de la pobreza del aprendizaje en el Perú.

Article for Bulletin - Economica

Feb, 2021

La controversia de los COAR: una puerta para la discusión de la calidad del sistema educativo.

Web article - Economica

Feb, 2021

OTHERS

Languages:

Spanish (Native), English (Fluent, FCE)

Service to the community:

Research and Publications volunteer at Economica: As a member, I have elaborated web articles and papers that are published in its website, as well as helped in the preparation of a round table discussion.

Research volunteer at CityMakers: As a member, I have assisted in the change theory of the project.

CITIZENSHIP

Peruvian

Last Updated: 07/25/2022