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 Policy

Coursework: Intermediate Machine Learning, Advanced Econometrics, Big Data Analytics.

INTERESTS

Pontificia Universidad Catolica del Peru   *March 2017 - July 2022*
BA of Social Science in Economics   First Class Honors (3/73)

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

INTERESTS

Main: Applied Microeconometrics, Data Sciense, 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, mantaining data quality protocols and in charge of data quality audits of the endline creating a dashboard in R Shinny. Helped in the elaboration of progress and results reports to PIs and research partners and sharing them.

· Assited 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, an cloud contact center platform that allowed us to sends Whatsapp messages, to deliver the link for 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 colleted by this platform, I also created a dashboard in PowerBI.

· Assited 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 colleted 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. 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)   Lima, Peru
Research Intern   *Feb 2021-Jul 2021*

· Assited 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 LaTeX.
· 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, 2021, 2022.**

3. Outstanding student in the **top 3** of bachellors in **Economics at PUCP.** and **top 3** of bachellors in **Faculty of Social Science at PUCP.**

4. Outstanding student in the **top 1 %** 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.**

PUBLICATIONS

Ni una menos en el mercado laboral: La vulnerabilidad del empleo femenino en el Perú urbano en 2020
Thesis   *To be published*

Cuando migrar no es suficiente: una comparación de la calidad de empleo de lo 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*

TEACHING EXPERIENCE:

Applied Statistics: Machine Leaning and Causal Inference
PUCP   *March, 2023 - July, 2023*

Coursework: Machine Learning, Causal Inference, R, Python, Julia

OTHER COURSEWORK & ACTIVITIES

Statistical Data Analysis with STATA
INFO - PUCP   *completed July 2020*

Advanced Applied Econometrics: Impact Evaluation
Scholarship: QLAB - PUCP   *completed Oct 2020*

Machine Learning for Social Sciences
Scholarship: QLAB - PUCP   *completed Feb 2020*

Natural Language Processing
Scholarship: QLAB - PUCP   *completed Nov 2021*

Remote Sensing Image Processing using Quantum-GIS and Deep Learning
Scholarship: QLAB - PUCP   *completed Nov 2021*

TECHNOLOGY SKILLS

Programming Language:
Stata (Advanced), Python (Advanced), R (Advanced), MATLAB (Intermediate), SQL (Basic), Quantum-GIS (Basic)

Editors and Others:
LaTeX(Intermediate), Markdown (Basic), SurveyCTO(Intermediate)

OTHERS

Languages:
Spanish (Native), English (Fluent, FCE)

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

Research volunteer at CityMakers: As a member, I have assisted in the planification part of the proyect in charge of PhD. candidate Fabiola Alva-Vivar.

CITIZENSHIP

Peruvian

Last Updated: 01/30/2023