

Erick Ore Matos

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EXPERIENCE

• Research Assistant

Stanford Institute for Economic Policy Research

07/2023 – Present

- I worked with large healthcare-related administrative datasets related to the Veterans Affairs
- I wrote SQL pulls in order to address research related questions
- I implemented causal-effect methodologies on the data designed by the Principal Investigators of the projects

• External research consultant

National Consumer Protection Authority (Indecopi)

02/2023 – 06/2023

- I developed a tool to increase the probability of detection of collusive among companies in government procurement
- This tool involved machine learning algorithms, economic theory intuitions on collusive behaviors, and research on the relevant previous anti-competitive practices that were successfully detected

• Associate

Apoyo Consulting Firm - Analytics

03/2020 – 07/2021

- I worked as the methodological head of the team. My main work was to explore and implement methodologies required by the ongoing projects.
- I worked on at least 20 projects with private and public institutions to improve their operations using structured and unstructured data. I lead 5 of them.
- Some of these projects were household spending forecasts by geographic zones, clients and suppliers segmentation, economic indicators forecasts, delinquency rates and probability of default forecasts, social media analysis, and topic modeling

• Monetary policy analyst

Central Reserve Bank of Peru

04/2016 – 03/2020

- I proposed and implemented several methodologies to improve the forecast on critical macroeconomic aggregates. These forecasts were used to make critical monetary policy decisions
- I made reports of specific topics required by the bank board on topics related to the financial system
- I compiled the Peruvian monetary statistics
- I made several reports required as input to the monetary policy design
- I lead a project to use the credit bureau data to monitor the financial system
- I started helping with a project to change the methodology of the compilation of monetary statistics and ended up leading it

EDUCATION

• National University of San Marcos

Bachelor in Economics

2011 – 2016

RESEARCH

• Assessing the impact of credit de-dollarization measures in Peru

Central Reserve Bank of Peru

Lima, Peru

2019

- I processed the information required to analyze the credit behavior under the de-dollarization policy, I processed the credit bureau to obtain relevant policy variables
- I searched the literature on the topic, such as the causal econometric and impact evaluation, and I explored the available methodologies to evaluate the effects of the studied policy
- I proposed and implemented the strategy to measure the impact of the de-dollarization policy at the firm level, using a quasi-experimental method

• Banks networks and systemic risk due to liquidity shocks

Central Reserve Bank of Peru

Lima, Peru

2020

- I reviewed the relevant literature on the topic and I identified the state of the research on the topic, and how it could be applied to the liquidity risk topic
- I proposed the main methodology to evaluate the liquidity risk, adapting existing methods from the graph theory and network structure to evaluate the potential contagions in financial entities due to solvency
- I performed several tests on the methodology implementation to prove the robustness of the conclusions

TEACHING

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|---|---------------------------|
| • Teacher assistant - Financial econometrics
<i>National University of San Marcos</i> | <i>Lima, Peru</i>
2018 |
| • Teacher assistant - Cross section and panel data econometrics
<i>National University of San Marcos</i> | <i>Lima, Peru</i>
2017 |
| • Teacher assistant - Advanced macroeconomics
<i>National University of San Marcos</i> | <i>Lima, Peru</i>
2015 |
| • Teacher assistant - Advanced mathematics and dynamic programming
<i>National University of San Marcos</i> | <i>Lima, Peru</i>
2013 |

PROGRAMMING SKILLS

- **Python:** Advanced
- **Stata:** Advanced
- **Matlab:** Advanced
- **Eviews:** Advanced
- **QGIS:** Advanced
- **Docker:** Advanced
- **PowerBI/DAX:** Advanced
- **R:** Intermediate
- **SQL:** Intermediate

HONORS AND AWARDS

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|---|---------|
| • Annual Award - Innovation
<i>Apoyo Consulting Firm</i> | 2021 |
| <ul style="list-style-type: none"> ◦ As part of a recently created department, I continuously contributed to proposing new strategies to solve clients' requirements on ongoing projects. ◦ I collaborated with other teams inside the firm to give feedback and support on the strategies they planned to implement on the data-management side. | |
| • Employee of the month
<i>Central Bank of Peru</i> | 03/2019 |
| <ul style="list-style-type: none"> ◦ It was a recognition for the novelty work I did by exploring the potential uses of the credit bureau information. | |

VOLUNTEER EXPERIENCE

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|--|-----------------|
| • Mentor
<i>Econthaki</i> | 07/2024-08/2024 |
| <ul style="list-style-type: none"> ◦ I helped three mentees to propose research questions by suggesting a literature review and weekly feedback sessions. | |
| • Teacher assistant
<i>Crea+</i> | 2016 |
| <ul style="list-style-type: none"> ◦ I helped as a primary school teacher assistant during the weekends in Lurin, Lima. ◦ I taught math-related topics to 5th-grade students by supporting them in the problems they couldn't solve during the week. | |

CERTIFICATIONS

- **Machine learning scientist** 2021
DataCamp
- **Model-based monetary policy analysis and forecasting** 2018
CEMLA
- **Evaluation of public programs** 2018
Grupo de Análisis para el Desarrollo
- **Advanced economics summer course** 2016
Central Reserve Bank of Peru

ADDITIONAL INFORMATION

Languages: Spanish (Native), English (Proficiency level), Qechua (Basic)

Interests: Music, Drumming