

# J. ESTEBAN MARÍN V.

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## PROFESSIONAL & TEACHING EXPERIENCE

### Dalinde Hospital, Medical Center

Mexico City || May 2020 - to date

**Economics & Data Science consultant.** Inventory optimization and cost minimization in the hospital pharmacies through the implementation of econometrics, data science and statistical learning solutions.

### Iberoamerican University, Mexico City (IBERO)

Mexico City || January 2020 - to date

**Teacher.** Macroeconomics & Introduction to Data Science and Machine Learning.

### WORLD Policy Analysis Center

Los Angeles, CA / San Luis Potosi, MX || June - December 2019

**Head of Research.** In field research focused on implementing the sixth of the Sustainable Development Goals of the United Nations (SDG): “Clean Water and Sanitation in the city of San Luis Potosi”. This research propelled an update in the water rate by establishing a fair price that was voted by the State Congress of San Luis Potosi on December 2019.

### Mexican Social Security Institute (IMSS)

Mexico City || December 2016 - December 2017

**Director of Government Affairs at the Entailment Direction** Member of the commission designated to implement the reconstruction labors in 20 municipalities from the Mexican State of Chiapas during the seismic contingency ensued on September 2017. With 120 public servants under my coordination, we carried out a census in more than 4,000 damaged households that lead to save \$1.14 million USD.

**Advisor at the Delegations Evaluation Unit.** Performance analysis of the 35 delegations from the IMSS by following up and parametrizing 107 indicators. Development of the “Delegations Evaluation Handbook” in order to standardize the indicators metrics of the services provided by the Institute.

### Mexican Ministry of Finance (SHCP)

Mexico City || March - December 2016

**Department Chief at the Federal Budget Unit.** Data analysis and tracking of the Federal Budget with databases of the monetary movements executed by Federal Government Agencies. Development of Excel Macro functions for the timely delivery of information to the General Associate Director at the Budget Unit.

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## EDUCATION & CERTIFICATIONS

### Data Science for All, DS4A (Correlation One & SoftBank Group) Bogotá, Buenos Aires, Mexico City, Sao Paulo || Class of 2020

**Data Science and Artificial Intelligence Certification (375 hours)** Program for Latin American leaders focused on the tools of Data Science, Machine Learning, and Artificial Intelligence. Member of the team awarded with the most social impact project distinction: *Demand Forecast & Inventory Control of Pharmaceutical Drugs*

### University of California, Los Angeles (UCLA)

Los Angeles, CA || Class of 2019

**Master of Applied Economics.** Awarded first place on the Capstone Showcase: “Value of Management Skills on Profitability: Evidence from Micro Businesses in Mexico”. Focused on the topics of: Applied Machine Learning, Money & Banking, and Income Inequality.

### Iberoamerican University, Mexico City (IBERO)

Mexico City || Class of 2015

**B.S. Economics** Cum laude in the General Exam for Undergraduate and the Social Service Experience. Thesis: “Determinants of Credit for Micro Businesses in Mexico”. Economics Student Council President. Teaching assistant for calculus, linear algebra and econometrics.

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## TECHNICAL SKILLS & CAPABILITIES

**Languages.** Spanish native speaker, fluent in english, and basic french.

**Statistics & writing software.** R [Tidyverse, dplyr, plyr, ggplot2, AER, R Markdown], Python [Numpy, Matplot, Pandas, Scikit-Learn, Statsmodels], Excel [Pivot tables, macros, solver], Stata &  $\text{\LaTeX}$ .

**Analitical skills.** Calculus, linear algebra, econometrics, probability, and statistics.

**Management skills.** Personnel and budget management, results oriented, teamwork, and strategic planning.

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## REFERENCES

**Esq. Jacob González Macías.** Immediate supervisor at the Entailment Direction of the IMSS: +(52) 55-1130-4150.

**P.E. Elsa Rebollar Plata.** General Associate Director at the Budget Unit of the SHCP: +(52) 55-1320-5839.