Marco Ramos

Applied Economist and Data Scientist

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About me

Econometrics by profession, Data Science by vocation. Commited to the development of creative, sustainable and smart solutions to the problems firms and countries face. Econometrics, quasi-experimental methods, experimental designs, causal inference, network analysis, modeling, data mining, machine learning, visualization, big-data anlaysis, economic and social research and report automation

Education

2013-2018	Bachelor in International Relations (Special Mention) Autonomous Technological Institute of Mexico (ITAM)	Mexico City
2017	Undergraduate Summer School Tel Aviv University (TAU)	Tel Aviv
2020-2021	Master in Applied Economics Autonomous Technological Institute of Mexico (ITAM)	Mexico City
2020-2021	MicroMaster Program in Statistics and Data Science MITx	Online
2020-	Master in Data Science Mexico City	ITAM

Certifications

- *Masculinity, practices around being men* at University Claustro de Sor Juana.
- *Probability: the science of Uncertainity and Data* at Mitx.
- *Machine Learning with Python: from Linear Models to Deep Learning* at Mitx.
- *Data Analysis: Statistical Modeling and Computation in Applications* at Mitx.

Experience

2017-2019	Researcher and Data Analyst Research in antitrust policy, energy markets and State Owned Enterprises	México Evalúa (think tank)
2019-2020	Head of Department of Impact Evaluation Coordination of the process of data collection for the justice and criminal related datasets; and public policy impact evaluation	Mexican Federal Secretary of the Interior
2019-	Advisor Promoting the digitalization and automation of research and investigation	Mendeley
2020	Systems Manager Design, development and implementation of the new Mexico's City procurement system; and public spending big data analysis.	Government of Mexico City

Distinctions and awards

2013	World Championship Engineering Inspiration As a memember of the FIRST robotics team Lambot 3478	St Louis, Missouri
2018	Best think tank research program in Mexico about energy policy by University of Pennsylvania As a member of the Economic Competition and Regulation team at México Evalua	Mexico City, Mexico
2020	Research Protocol Prize Awarded by the National Anticorruption System with the protocol 'Development and execution of a logistic model to detect irregularities in the procurement process during the epidemiological crisis of COVID19'	Mexico City, Mexico
2021	Finantial Inclusion Essay First Place in Master Degree Category Awarded by the National Comission on Values and Banking with the research proyect called 'Gender Gap or Ommited Variable Bias: An analysis with quasiexperimental methods on finantial inclusion in Mexico'	Mexico City, Mexico

Skills

- Knowledge of R, Python, Shell/Bash and SQL computer languages.
- R Studio, R Markdown, Git, Gephi, LATEX, Pycharm, Jupyter, STATA, SPSS, MATLAB, DYNARE, Spark expert.
- Native in spanish, fluent in english (TOEFL ITP C1) and intermedium in french (DELF B1).

Publications

1. Andrea Castagnola, G. D., Paula Núñez. (2018). *Promoting transparency and anticorruption in state owned enterprises*. CIPPEC. https://www.g20-insights.org/wp-content/uploads/2018/08/TF8-8-12-PolicyBrief-T20-EPE-english-june-28-FINAL-1.pdf

2. Ana Moreno, F. B., & Ramos, M. (2019). *Corporate transparency index for state owned enterprises*. México Evalúa. https://www.mexicoevalua.org/mexicoevalua/wp-content/uploads/2019/09/corporatetransparency.pdf