

# Iván Abdel Marín Medrano

ivanmrn5@gmail.com – 55.81.72.28.97

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## About me

<b>Professional Interests</b>	Statistics, econometrics, impact evaluation and data science.
<b>Technologies</b>	R, Stata/MATA, Python, QGIS, Matlab, D3, Git, <b>L<sup>A</sup>T<sub>E</sub>X</b> , SQL and others.
<b>Languages</b>	English, french and spanish.
<b>Interests</b>	Public policy, inequality, energy, education and experiments.

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## Employment

### Gestell

CDMX(Dic,2019-To date)

#### Data scientist

- Economist and researcher:
  - o Develop robust economic and statistical models in **R** and **Python** to support business decisions, validate demographic and economic results estimated at various geographical levels.
  - o Provide technical insight and make recommendations based on economic, fiscal and statistical analysis.
  - o Assist Data Science Unit to ensure the accuracy of economic data, maintain and develop econometric models used for forecasting procedure.
  - o Make presentations for stakeholders at business and academic level.
- Data scientist:
  - o Build **APIs** with **Flask** and **Docker** technology for business needs such as exchange rate validation against DOF, calculation of means prices with georeferenced data, validation of information based on SHCP memo for banks and financial institutions, Prospective Fraud People using levenshtein to validate names in International Fraud lists such as ONU, OFAC, SAT69, etc.
  - o Develop dashboards for different business targets related to compliance using Relevance and Unusual Reports for financial institutions.

### Secretaría de Finanzas

CDMX(Oct,2018-Dic,2019)

#### Chief of Fiscal Instruments Studies Department

- Programmer in **stata**, **mata**, **R** and Excel/VBA: develop and share code for ingestion, cleaning, manipulation and process of big data (+240gb):
  - o Code to get the research cycle fluid, all results were presented in *notebooks*, **markdown()**, **flexdashboard()**, **shiny()** y **Tableau**.
- Project developer: deliver and present on basis deadlines the achievements of the projects design at Dirección de Política Fiscal:
  - o Geospatial visualization for different purposes through **leaflet()** and **sf()** packages.
- Researcher: research, develop, update, and summarize national and international economic information, including econometric methodologies for evaluation.
  - o Review and modelling of probit models of compliance.

### Coface

#### Researcher

CDMX(Ene,2016-Jul,2018)

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## Education

### Universidad Autónoma Metropolitana

#### Bachelor in Economics

CDMX(2013-2018)

- \* Internship: Coface(2016), Imco(2016), Inefam(2015), Cámara de Diputados(2014).
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## Publications

\*Sustainable Financing of Public Investment: Evidence For Mexico, 1990-2019. (Forthcoming) with Jose Luis Hernández Mota, Revista Finanzas y Política Económica. Universidad Católica de Colombia.

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## Personal projects

- \* Web Scrapping of the Boletín Epidemiológico and CENACE dashboard in Python, available at Git([www.github.com/iamarin](https://github.com/iamarin))
- \* Project portfolio <https://ivanmarin.netlify.app/>