

Rafael López Valverde

I am a **Data** Analyst with Political Science background and **Public Policy** experience. I program in **R**, **D3** and do necessary **HTML**; also **Tableau** and **Power BI**. Favorite tasks: **cleaning**, **simulating** and **visualizing** data. Best at: connecting data with **social** problems. I **teach** introduction to Data Analysis and Digital Transformation.

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EDUCATION

	Month.Year
- Micro Master on Data, Economics, and Development Policy, Massachusetts Institute of Technology MIT (3/5)	06.19-09.21
- Master of Public Policy, Hertie School of Governance, Germany & National University of Singapore	09.14-05.16
- Master in Public Management, Constituent Assembly and Autonomies, Universidad Andina Simón Bolívar, Bolivia	03.06-11.07
- Bsc. Political Science, Universidad Mayor de San Andrés, Bolivia	01.02-11.05

RELEVANT WORK EXPERIENCE

	Month.Year
Avina Foundation. Data Analyst consultant for Pulsante Program.	05.20-03.21
- I was in charge of monitoring, evaluating and arranging learnings	
- I co-built COVID-19 tracker for 20 countries in Latin America	
- I co-built COVID-19 vaccines tracker	
United Nations Development Program. Consultant. Bolivia	01.21-05.21
- I analyze, based on data, the electoral results of 2020 Bolivia's National Election	
USAID. Data Analyst consultant. Bolivia	02.20-04.20
- I led the building of this congress simulator for 2020 Bolivia's National Election	
Friedrich-Ebert-Stiftung Foundation. Consultant. Bolivia	02.20-05.20
- I built the visualizations for this poll tracker for Bolivia's electoral events	
Cervecería Boliviana Nacional. (Bolivian Beer Brewery). Consultant. Bolivia	11.19-01.20
- Based on data, I designed the strategy to allocate 140 beer wholesalers in rural areas of Bolivia.	
[REDACTED] presidencial campaign. Data Analyst. Bolivia	01.19-11.19
- I was the main data analyst.	
- I built voters micro segmentation	
- I was in charge of poll forecasting and data analysis in general	
Avina Foundation. Data Analyst for impact evaluation program. Costa Rica	12.18-06-20
- I prepared the base line for the impact evaluation regarding basic services provision in communities	
- I am preparing the randomized control trial model for impact evaluation	
La Paz' Municipal Public Transport. Data Analyst Consultant. Bolivia	08.18-01.19
- I cleaned 53K datasets related to the operation and maintenance of the buses	
- I designed a system allowing online monitoring of the municipal public transport system	
- I designed a simulation of the buses routes, which included external factors like traffic peak times and social protests in order to improve the service	

United Nations Development Program. Researcher. Bolivia

06.13-8.14

- I presided, researched, and wrote the thematic development report: "The capacities of local governments for task implementation"
- I designed and implemented indicators to measure the institutional strength of local governments to face Bolivia's new constitutional framework (2009)

Ministry of Autonomy. National Director. Bolivia

08.11-04.13

- I led political reforms in the intermediate tier of government (e.g. writing local constitutions)
 - I was Appointed Ministry's spokesperson on fiscal and tasks decentralisation
 - I developed cooperation programas with the GIZ, UNDP, and European Union
 - I directly advised the Minister on political/technical issues and in cabinet sessions
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AWARDS

- Third Place Winner of the essay contest "Financing of the new State and the Decentralization system"
 - Faculty of Political Science Valedictorian. Universidad Mayor de San Andres. Bolivia.
 - University Valedictorian. Universidad Mayor de San Andrés. Bolivia
 - Graduation with honours. Universidad Mayor de San Andres. Faculty of Political Science.
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SELECTED PUBLICATIONS OF THE KIND OF WORK I DO

- [COVID-19 RT Tracker for Bolivia](#). Co-author
 - [SEIR Model for simulating CODIV-19 cycle](#). Co-author
 - [World Vaccine Tracker](#). Co-author
 - [Schooling gaps in Bolivia](#).
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TEACHING EXPERIENCE

- Introduction to Data Analysis. [Escuela de la Productividad y Competitividad](#). Bolivia. Bachelor degree. One semester on a yearly basis
- Digital transformation. [Escuela de la Productividad y Competitividad](#). Bolivia. Master degree. One semester on a yearly basis