

# LUIS FERNANDO RAMÍREZ RUIZ

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12459 Berlin, Germany • Mobile: +176 5900 8679 • lfr93@gmail.com • Github: <https://github.com/lramir14>

## Professional Summary

Driven and analytical Data Science and Public Policy professional with experience in implementing natural language processing pipelines, deep learning and machine learning models applied to business requirements and/or social science research. Experienced in the use of LLMs, deep learning models and pipelines, statistical modelling, data engineering, analysis and visualization, political risks for S&P 500 companies in several industries, and stakeholder management and digitalization strategies. Proficient in statistics and quantitative methods in R Studio and Python.

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## Education

**Hertie School**, Berlin, Germany

**Master of Data Science for Public Policy**, August, 2023 – June 2025

Relevant Coursework: Deep Learning, Machine Learning, Data Structures,  
Natural Language Processing, Geospatial Analysis, Economics of Media.

**Hertie School**, Berlin, Germany

**Master of Public Policy**, August 2022 – June 2024

Concentration: Policy Analysis,  
Relevant Coursework: Economics, Applied Network Analysis,  
Artificial Intelligence & Climate Change

**Instituto Tecnológico Autónomo de México**, Mexico City, Mexico

**Bachelor of Political Science**, August 2014 – December 2017

Concentration: Research on Electoral Behavior/ Political Philosophy  
Relevant Coursework: Inferential Statistics, Political Economy, Comparative Politics

**Universidad Nacional Autónoma de México**, Mexico City, Mexico

**Bachelor of Philosophy**, with Honors, August 2014 – August 2018

Concentration: Political Philosophy  
Relevant Coursework: Metaphysics, Ontology

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## Experience

**Werkstudent**, June 2024 – Current

**Capgemini Deutschland** - Berlin

- Analyze legal documents to provide strategic information for digitalizing the public sector in Europe.
- Draft and synthesize strategic information for business development.
- Discover and monitor trends in software development for the public administration. For example, the debate for digital sovereignty and the strategic use of OSS compared to proprietary software to reach the EU's goals.
- Draft documents to synthesize information about the debate on how, why, and using which technologies for the State to digitize.

**Research Associate**, November 2023 – Current

**Hertie School, SCRIPTS Project** – Berlin

- Use and build RAG systems for analyzing texts and retrieving information to validate hypotheses.

- Prompt engineering to use LLM models as part of the pipeline to annotate dateline, analyze speeches, and optimize human resources within the research project.
- Use NLP techniques to analyze texts and create a pipeline for further development
- Clean databases with millions of observations (+29 GB of information)
- Analyze text as data using unsupervised machine learning models available in R or Python.
- Literature review specifically for research projects about public administration and speech analysis.

**Solution Consultant**, March 2021 – Dec 2023

**The Stakeholder Company** – Singapore

- Managed and provided strategic information to clients from S&P 500 companies to digitalize and streamline key stakeholder management operations
- Presented policy recommendations to the Government Affairs, Insights, and Public Relations teams about the main political risks and stakeholders associated with each country
- Drafted weekly reports with key tools such as policy tracker, share of voice, and sentiment analysis, comprising industry and government updates in 15 Latin American countries and the United States

**Project Analyst**, December 2018 – March 2021

**The Stakeholder Company** – Singapore

- Relocated all internal workflow and products' design to reduce labor costs by 40%
- Managed two key projects in Mexico and North America based on strategic information about key policies and stakeholders involved to calculate relevant risks for specific companies associated with those regulations
- Utilized statistical methods to capture political risks in Latin America; assisted risk management projects for public relations or government affairs teams

**Research Assistant**, February 2018 – February 2020

**El Colegio de México** – Mexico City, Mexico

- Assessed researcher Dr. Reynaldo Ortega in academia-related areas, including translating books, research databases.
- Implemented polynomial and logit models to represent and understand key variables to explain voters' conduct in Mexico and the USA. These models resulted in collaboration papers about democracy in Mexico

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## Statistical Software

- Advanced in Python (Tensorflow, Ollama models, Groq API, GPT API models, flask web-apps, numpy, keras, jupyter notebook, Google Colab and Kaggle jupyter notebooks for cloud computing)
- Advanced in R Studio (dplyr, ggplot, spacy, LDA, among other libraries for data science).

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## Skills & Miscellaneous

- Languages: Native Spanish • Proficient English (C2) • Intermediate French (B1-B2)
- MS Office: Word, Excel, PowerPoint
- Participant in Munich's 2025 Datafest

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## Publications

- Collaborator in the 2019 Democratization Index in Mexico. Access here: <https://idd-mex.org/> Published in Aug 2019
- Collaborator in 2019 - 2020 Rule of Law in Mexico Index coordinated by the World Justice Project. Published in Aug 2019
- On public financing of the Mexican political parties. Bien Común Magazine. Published in October 2017