# CHRISTIAN CHIROQUE RUIZ

Financial Intelligence Analyst · Data Science & Machine Learning Lecturer

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## PROFESSIONAL SUMMARY

Analyst at the Financial Intelligence Unit of Peru with a strong track record in applied research and science communication. University lecturer in data science and machine learning, with over ten years of experience applying statistical analysis and machine learning in the public and private sectors.

## EDUCATION

**Present** **Ph.D. in Deep Tech, with a focus on Artificial Intelligence and Emerging Technologies.** — Universidad Nacional Mayor de San Marcos

**2025** **M.Sc. in Applied Statistics.** — Universidad Nacional Agraria La Molina

**2022** **Specialization Diploma in AI Application Development.** — Pontificia Universidad Católica del Perú

**2021** **Master's in Social Management, concentration in Development Program and Project Management.** — Pontificia Universidad Católica del Perú

**2016** **Bachelor's Degree (Licenciatura) in Political Science and Government.** — Pontificia Universidad Católica del Perú

## PROFESSIONAL EXPERIENCE

### Financial Intelligence Unit of Peru (UIF-Perú) — 2021 – Present

*Analyst*

- Led the full statistical data analysis cycle in financial intelligence: from designing and structuring databases, statistical analysis in R, and automated business intelligence reporting, to drafting analyses for institutional dissemination.
- Directed the formulation, monitoring, and implementation of national policies against financial crimes.

### V&C Analistas — 2015 – 2021

*Social Management Analyst*

- Data-driven consulting on social conflict and social risk analysis, design of monitoring systems, development of indicators and management tools, and advisory services on social management plans.

## TEACHING EXPERIENCE

### Pontificia Universidad Católica del Perú (PUCP) — 2018 – Present

*Lecturer*

- Course "*Introduction to Applied Machine Learning*", covering exploratory data analysis, supervised and unsupervised models, dimensionality reduction, and neural network fundamentals, with a hands-on approach in R and Python.
- Courses "*Statistics for Political Analysis 1*" and "*Statistics for Political Analysis 2*", covering descriptive and inferential analysis.
- In-person and online formats.

### Artificial Intelligence and Computational Methods Laboratory (QLAB) – PUCP — 2020 – Present

*Instructor*

- Course "*R Fundamentals for Social Sciences and Public Management*", covering an introduction to object-oriented programming and exploratory data analysis, with a strong emphasis on the tidyverse.
- Course "*Intermediate R for Social Sciences and Public Management*": building dashboards with Shiny and pattern recognition techniques.
- Distance learning format.

## PUBLICATIONS

### Books

- Chiroque, Christian. (2024). *Estadística para el Análisis Político 1: Estadística Descriptiva e Inferencial en R* [Statistics for Political Analysis 1: Descriptive and Inferential Statistics in R]. Teaching material. Data Política.
- Chiroque, Christian. (2021). *Manual de R Studio para ciencias sociales* [RStudio Handbook for the Social Sciences]. Data Política.

### Articles

- Chiroque, Christian. (2017). *Alcances y limitaciones de los mecanismos de coordinación gubernamental en la política anticorrupción* [Scope and Limitations of Government Coordination Mechanisms in Anti-Corruption Policy]. Revista de Ciencia Política y Gobierno, PUCP.
- Chiroque, Christian. (2017). *Construyendo Gobernanza Climática: Identificando los riesgos de corrupción en la gestión de recursos naturales* [Building Climate Governance: Identifying Corruption Risks in Natural Resource Management]. Revista Argumentos, Instituto de Estudios Peruanos.

## PROJECTS

**Data Política** **2018 – Present**

**Educational YouTube channel on Data Science and Artificial Intelligence**

*Founder and Content Creator*

- Run a YouTube channel with over 8,000 subscribers focused on explaining statistical methods, data science concepts, and applications of artificial intelligence.
- Produced videos that blend storytelling, pop-culture references, and technical content to enhance student understanding, engagement, and retention.

## TECHNICAL SKILLS

**Statistics:** Data analytics, data storytelling, inferential statistics.

**Machine Learning:** Classification and regression algorithms, clustering, dimensionality reduction.

**Business Intelligence:** Qlik Sense, Power BI, Google Data Studio.

**Programming:** R and Python.

**Blockchain Analysis for Financial Intelligence:** TRM, Chainalysis, and graph analysis.

## LANGUAGES

**English:** Advanced | **Spanish:** Native