

Mateo Córdoba Toro

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Economist with a strong foundation in developing data-driven solutions, particularly in machine learning and Big Data environments. Experienced in data analysis, transformation, and visualization to derive strategic insights. Proficient in statistical modeling, programming for machine learning applications, and creating automated processes to improve efficiency. Skilled in leveraging tools such as R, Python, SQL, and cloud-based platforms like Azure to build robust, scalable data products.

EXPERIENCE

Economist **March 2024 — Present**
INVIAS *Bogotá, Colombia*

- Conducted financial evaluations for infrastructure projects.
- Calculated financial indicators to determine companies' participation in public tenders.
- Provided comprehensive support to the technical team in project structuring and development.
- **Achievements:** Automated periodic reports using VBA, improving response times to observations and memos.

Data Analyst **December 2023 — March 2024**
Procesos Inteligentes Ltda *Bogotá, Colombia*

- Developed focused costing models, enhancing accuracy in cost allocation for healthcare sector clients.
- Designed and maintained business intelligence dashboards in Power BI, delivering insights for decision-making.
- Ensured data integrity through normalization techniques and good practices in database design.

Shiny Developer **November 2021 — September 2022**
StatBDsolutions SAS / Angloamerican *Bogotá, Colombia*

- Designed and implemented interactive data-driven solutions using R and Shiny, tailored to meet specific project requirements.
- Implemented containerization tools (Docker) and version control (Git), ensuring smooth development workflows and code integrity.
- Set up CI/CD pipelines for automated testing and deployment, enhancing the reliability and scalability of applications.

Data Analyst **February 2021 — October 2021**
Procesos Inteligentes Ltda *Bogotá, Colombia*

- Assisted in database design, ensuring adherence to 3NF to minimize redundancy.
- Built BI dashboards to monitor performance indicators.
- Developed and optimized ETL processes from various data sources using SQL and Python.

Intern, Econometrics Unit **July 2020 — December 2020**
Banco de la República de Colombia *Bogotá, Colombia*

- **Research Project:** Investigated threshold effects of corruption in infrastructure investments, influencing policy recommendations.
- Maintained and updated the inflation forecast visualization interface in Shiny R.
- Applied econometric methodologies to research projects.

EDUCATION

Postgraduate program in Statistics, Universidad Nacional de Colombia **Jan 2024 - Present**
Bachelor in Economics, Universidad Sergio Arboleda **Jan 2016 - Dec 2020**

COMPLEMENTARY EDUCATION

- **Data Analyst in SQL** Online - 2024
- **Azure Fundamentals** Online - 2024
- **Data Engineer in SQL** Online - 2024
Data Camp
- **Data science Specialization: Foundations using R** Online - 2021
- **Data science Specialization: Statistics and Machine Learning** Online - 2022
Johns Hopkins University - COURSERA
Service Excellence for Business Certificate Toronto, Canada - 2022
ILAC International College