

## Education

### Universidad de Navarra

MSC. IN DATA SCIENCE

Sept. 2024 - Jul. 2025

Madrid, Spain

### Facultad de Ciencias Económicas, Universidad Nacional de Córdoba

BSC. IN ECONOMICS WITH QUANTITATIVE METHODS SPECIALIZATION

Jan. 2014 - Jul. 2020

Cordoba, Argentina

## Experience

### Glovo

SR FINTECH ANALYST

- Led the analysis and configuration for migrating Glovo's fraud prevention rule set into Delivery Hero's global risk platform.
- Managed refund abuse prevention strategies, ensuring detection and mitigation mechanisms were aligned with business KPIs and model performance.

Barcelona, Spain

Aug. 2025 - Present

### Glovo

RISK DECISION SCIENTIST

- Maintained and evolved a control methodology for the refunds domain, combining machine learning models and heuristic rules to detect and mitigate abnormal refund patterns.
- Enhanced identity verification to prevent Artificial Inflated Traffic (AIT) attacks such as SMS pumping, optimizing third-party scoring model integration and calibration.
- Designed and executed A/B tests, including WhatsApp-based experiments, to evaluate and refine prevention strategies, applying statistical analysis for impact assessment.
- Developed data products with dbt and Airflow to enable advanced behavioral pattern analysis and streamline analytics workflows, using Python and SQL for model integration.
- Created and maintained Looker dashboards (false positives, pricing, rule triggers) and implemented DataDog forecast monitors with linear regression models to anticipate metric deviations and trigger real-time alerts.

Barcelona, Spain

Jan. 2024 - Aug. 2025

### Novix SA

SSR DATA SCIENTIST

- Part of a team focused on building B2B Sales & Operations Planning (S&OP) solutions leveraging Pyplan, an in-house analytics and planning platform; led the development of data models and optimization algorithms to enhance forecasting accuracy and production planning.
- Designed and deployed a production optimization model for Pulp, integrating real-time plant data in Pyplan to improve scheduling efficiency and reduce idle time across facilities.
- Developed an energy demand forecasting solution for Neoenergia using SARIMAX, XGBoost, and RandomForestRegressor, leveraging historical consumption and weather data to support operational planning.
- Implemented a Pyplan-SAP integration for Nestlé, enabling automated optimized shipment orders between distribution centers in Brazil.
- Created a master production scheduling system for Nestlé using CVXPY for linear optimization, streamlining planning across manufacturing sites.
- Built an ETL pipeline to load data from Azure Data Lake Gen2 into Pyplan for Eurofarma, supporting pharmaceutical supply chain optimization.
- Automated amortization schedule generation for Banco Carrefour using xarray in Python, reducing manual processing time.

Cordoba, Argentina

Jun. 2021 - Dec. 2023

### IDB Invest

EXTERNAL CONSULTANT

- Served as part of the Credit Supervision Department's data team at IDB Invest, supporting the supervision of development loans by building tools to monitor and report performance indicators tied to disbursement conditions.
- Created a financial report generator in VBA to automate standardized reporting workflows for loan supervision.
- Developed Power BI dashboards to monitor compliance with performance indicators linked to loan disbursement conditions, providing weekly updates to track progress toward development objectives.

Washington - Remote

Sept. 2020 - Jun. 2021

## Secretary of Applied Studies, Ministry of Government

Córdoba, Argentina

EXTERNAL CONSULTANT

Jul. 2020 - Jun. 2021

- Served in the subsidy impact analysis team, conducting data engineering and analytics to support policy evaluation for the Province of Córdoba.
- Built a geolocation-based framework integrating multiple administrative datasets (Oracle DB, Parquet, CSV) to identify households within family groups across the province.
- Automated an ETL pipeline to monitor KPIs related to the provincial subsidy scheme, enabling regular impact tracking and reporting.

## Mediterranea Foundation

Cordoba, Argentina

ASSOCIATE RESEARCH ANALYST

Sep. 2019 - Jun. 2020

- Joined the economic research team at IERAL to analyze regional pension systems and macroeconomic trends in Latin America.
- Estimated pension system deficits for CAF using household survey microdata and econometric modeling in R.
- Published weekly economic analysis articles for [ieral.org](http://ieral.org), covering fiscal policy, demographics, and macroeconomic indicators.
- Developed automation scripts, including PDF data extractors and web scrapers, to streamline ingestion of statistical and economic datasets.

## Faculty of Economic Sciences National University of Cordoba

Cordoba, Argentina

ADJUNCT ASSISTANT PROFESSOR OF MATHEMATICAL STATISTICS

Mar. 2019 - Jul. 2019

- Delivered weekly lectures and tutorials in mathematical statistics, covering probability theory, distribution properties, transformations using the Jacobian method, point estimation, and asymptotic theory.
- Provided individual mentoring to students, focusing on problem-solving strategies and preparation for advanced econometrics courses.

## Debt Office, Ministry of Finance

Córdoba, Argentina

INTERN ANALYST

Sept. 2017 - May 2018

- Served in the Debt Office within the General Accounting Department of the Province of Córdoba, performing economic and financial analysis to monitor subnational debt instruments, including index construction, time-series analysis, and WACC calculations.

## Awards and Research Publications

### Mobility indexes: An application to Argentinian financial system

Central Bank of Argentina

AUTHOR

Jan. 2020 - mar. 2020

- Received an award for a research study involving the application of Ferretti and Ganugi's (2013) mobility measure to individual credit ratings in the Argentine financial system, employing Stata and R for metric calculations.

### Financial challenges in Argentinian pension system: Application of a sustainability model based on micro-fundamentals

International Public Finance

Congress, Cordoba

CO-AUTHOR

Sept. 2019 - Mar. 2020

- Produced a comprehensive research study estimating the deficit in Argentina's pension system by considering factors such as demographic ageing and alternative policies, utilizing R for metric calculations.
- Available at the repository.

## Extracurricular Activity

### Tala Rugby Club

Cordoba, Argentina

RUGBY COACH

Jan. 2017 - Dec. 2017

- Oversaw and mentored a group of 60 children, aged 8 years, in a coaching role.

### 50th International Public Finance Meeting

Cordoba, Argentina

ORGANISATION COLLABORATOR

Sep. 2017 - Sep. 2017

- Undertook the role of a mediator during the exposition of academic papers at an international level finance gathering.

### PIES Foundation

Cordoba, Argentina

MEMBER

Aug. 2016 - Jun. 2019

- Collaborated in an autonomous group to educate and mentor children in a low-income neighborhood.

### Manos Solidarias Foundation

Cordoba, Argentina

MEMBER

Jul. 2020 - PRESENT

- Contributed to a local community initiative by preparing and distributing substantial meals every weekend to residents of low-income neighborhoods across the city.

## Skills

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- Databases** MS SQL, Sqlite, Oracle DB, Trino, BigQuery
- Programming**
  - Proficient with R, Python, SQL, Stata and Visual Basic
  - Familiar with Bash, Java, HTML, JavaScript
- Visualization** Tableau, Looker
- Languages** Spanish (Native), English (C1 Level), Portuguese (Intermediate)