



# Nicolas Javier Corral

Data Analyst | Data Scientist Junior | Teacher

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My website/portfolio with QR code: <https://corralnicolas.github.io/>

## Professional Summary

Data Analyst and Junior Data Scientist with expertise in Python, SQL, Power BI, and Machine Learning. Skilled in transforming complex data into actionable insights, optimizing reporting processes, and supporting strategic decision-making. Experienced in building automated workflows, predictive models, and interactive dashboards that improve efficiency and business outcomes.

## Skills

<b>Analytics</b>	Proficient in R, Python, SQL, Tableau, Excel, Google Data Studio, Power BI, Business Intelligence (BI).
<b>Programming</b>	Jupyter, NumPy, Pandas, Scikit-learn, Matplotlib, XGBoost, LaTeX, FastAPI.
<b>Machine Learning</b>	Data Cleaning, Regression (Linear, Multiple, Polynomial), Classification (K-NN, SVM, Random Forest), Clustering (K-Means).
<b>Tools</b>	BigQuery, Visual Studio Code, SQL Server, Artificial Intelligence, Google Cloud.
<b>Languages</b>	Spanish: Native · English: B2 Upper Intermediate.

## Featured Projects

### Freelance Data Scientist

#### Project: Invoice Automation

June 2025

- Developed an invoice automation system integrating Power Automate with a Python API. The flow receives invoices, processes them through an API, and automatically stores organized data, streamlining administrative tasks. **I improved the data collection process, making it 20 times faster than manual methods.**

### Freelance Data Scientist

#### Project: Salary prediction Machine Learning Model

September 2023

- Built a salary analysis and prediction model using Python with a full ETL pipeline. Applied libraries such as Pandas, Scikit-learn, and Matplotlib. Conducted exploratory data analysis (EDA) to identify outliers and patterns, trained regression models, and evaluated performance using metrics (MAE, RMSE,  $R^2$ ). **significantly improving the precision and usability of salary forecasts for strategic planning.**

### Freelance Data Analyst

#### Project: University Ranking Dashboard

October 2022

- Analyzed university data using Excel, SQL Server, and Power BI. Cleaned and transformed data in Excel, loaded and queried it with SQL to generate key metrics, and created an interactive Power BI dashboard, **allowing stakeholders to access and understand insights up to 3x faster compared to previous manual reports.**

## Work Experience

### Sports Data Analyst

#### CEF 5 La Rioja

La Rioja, Argentina

May. 2024 - May 2025

- Created weekly player performance reports, reducing analysis time by 50% and delivering insights that improved training plan effectiveness. Identified and tracked KPIs, enabling the coaching team to address weaknesses and boost player performance metrics by 15%.

### Sports Data Analyst

#### UPCN

San Juan, Argentina

May. 2023 - May. 2024

- Applied clustering algorithms to segment performance data, enabling targeted training strategies and improving match performance by 10%.

### Sports Data Analyst

#### Defensores de Banfield

Buenos Aires, Argentina

Jun. 2017 - May. 2023

- Used Python for data visualization, enabling faster understanding of metrics and real-time decision-making.

## Education

### University of Buenos Aires

#### Bachelor of Science in Data Science

Buenos Aires, Argentina

Mar. 2021 - Present

- Probability, statistics, algorithms and data structures, Python, Java, databases, algorithmic complexity.

### Instituto Modelo Lomas

#### Teacher

Buenos Aires, Argentina

Mar. 2017 - Dec. 2020

- Development of social skills, communication, planning, and group management.

### Google Analytics Certificate

Data processing, problem identification, data extraction with Excel, querying in BigQuery, and visualization in R or Tableau.

### Coderhouse Data Analyst Certificate

Use of SQL Server to filter data and build dashboards in Power BI.

### Coderhouse Data Scientist Certificate

Data cleaning, exploration, insights, and modeling using libraries such as NumPy, Pandas, Matplotlib, and Scikit-learn.