

# Federico Maguire

## Data Analyst

Buenos Aires, Argentina

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Portfolio

### SUMMARY

Data Analyst with a background in CAD/CAM, CNC, and 3D design. Developed skills in SQL, Excel, Python, Tableau, and Power BI through intensive training, specialized courses, certificates, and freelance work projects. Motivated to apply this expertise in a role that offers continuous opportunities for personal and professional growth.

### SKILLS

- Python**  
*Numpy, Pandas, Matplotlib, Seaborn, beautiful soup Scikit-learn, statsmodel.*
  - Excel**
  - Tableau**
  - Power Bi**
- SQL**
  - Data Cleaning and Analysis**
  - Statistics and Probability**
  - Machine Learning**  
*Predictive Modeling, Regression Analysis*
  - Prompt Engineering**

### PROJECT WORK

#### London Bike Sharing Data EDA / Dashboard / Regression Model

Utilized Python to forecast on bike rental demand according to season and weather conditions.

- Conducted Exploratory Data Analysis (EDA) in Python to find patterns and trends.
- Developed an interactive Tableau Dashboard to visually represent the influence of weather on bike rentals, derived from EDA insights.
- Constructed a Linear Regression machine learning model to forecast bike rental counts based on seasonal fluctuations.

#### Radio Marketing Campaign Regression Analysis

Employed Python Libraries for in-depth analysis and regression model to increase marketing campaign accuracy.

- Executed a comprehensive simple linear regression analysis to find the relationship between Radio marketing campaigns and Sales.
- Constructed and fitted a Regression model. Validation of model assumptions, performance evaluation, interpretation of model coefficients, and clear communication of results to stakeholders.

#### Live Data collection Trading Bot with Graphical User Interface

This is a real-time data collection Trading Bot with GUI. Leveraging Binance's API.

- Live data is collected fom Binance API and a Pandas Frame is created to analyze data using TALibrary for technical indicator calculations.
- A signal, generated in a Pandas DataFrame, corresponding to the Stochastic RSI value K-line is analyzed and an order is placed if conditions are met.
- Charts are generated (Matplotlib, Seaborn and Mplfinance) and uploaded to the Graphical User Interface (CustomTKinter).

### EXPERIENCE

#### Freelance Data Analysis Projects

OCTOBER 2023 - PRESENT

Performed freelance data analysis work with Python, SQL, Excel, Tableau, and Power Bi.

- Conducted data analysis to find useful insights and support decision-making.
- Developed visualizations to present findings effectively.
- Communicated results in a clear and understandable manner to clients/stakeholders.
- Contributed to multiple projects showcasing diverse data analysis skills.

### EDUCATION

#### Google Advanced Data Analytics Professional Certificate

MAY 2023 - OCTOBER 2023

An extensive six month job-ready Google Career Certificate training. Hands-on experience with advanced Data Analytics practices and tools, including data science workflows, Python programming and Tableau. Exploratory data analysis; statistical data analysis; regression analysis, data modeling, and machine learning basics.

### LANGUAGES

English      Advanced      ●●●●●      Spanish      Native      ●●●●●

### STRENGTHS

#### Teamwork

Experienced in collaborative environments and cross-functional teams to achieve project goals.

#### Active Listening

Great at really listening, connecting, and working together by understanding different viewpoints.

#### Fast Learning

Rapidly acquiring new skills and technologies.

#### Attention to detail

Keen eye for detail aquired from 3D design projects and GCODE programming, effectively translated to data analysis and interpretation.

#### Adaptability

Quick to adapt to new environments and tasks.

#### Strong Analytical Skills

Trained in Data Analysis tools, with a foundation in statistical analysis, and data visualization.

#### Problem-Solving

Logical and analytical mindset, creative problem-solving solutions and accuracy in data-related contexts.

#### Effective Communication

Skilled in translating complex data into clear insights for decision-making purposes.

### CERTIFICATIONS

#### Google Advanced Data Analytics

Google / Coursera (October 2023)

#### Career Essentials Data Analysis

Microsoft / LinkedIn (April 2023)

#### The Complete Python Bootcamp

Pierian Data / Udemy (March 2023)

#### The Complete SQL Bootcamp

Pierian Data / Udemy (May 2023)

#### The Complete Excel Bootcamp

Pierian Data / Udemy (May 2023)

#### Python for Machine Learning & Data Science Masterclass

Pierian Data / Udemy (June 2023)

#### Computational Thinking for Problem Solving

Penn University / Coursera (April 2023)

#### ChatGPT Prompt Engineering For Developers

DeepLearning.AI / OpenAI (May 2023)

### INTERESTS

#### Continuous Learning

Continuous professional and personal development through active learning and skills improvement.

#### Data Science

Curious about the dynamic field of data science and machine learning, fascinated by the complexities of modeling and extracting predictions.

#### 3D Design & 3D Printing

Enthusiastic about the creative possibilities of 3D design and the diverse applications of 3D printing technology.