

# Federico Maguire

## Data Analyst | Data Science Enthusiast

Buenos Aires, Argentina

Portfolio: [fedemaguire.github.io/MaguireDataAnalytics/](https://fedemaguire.github.io/MaguireDataAnalytics/)

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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**
- **SQL**
- **Excel**
- **Tableau**
- **Power BI**
- **Web Scraping**
- **Data Visualization**
- **Data Analysis**
- **Machine Learning**
- **Prompt Engineering**

### PROJECT WORK

#### London Bike Sharing Data Analysis and Prediction

- Used Python for **Exploratory Data Analysis (EDA)** to uncover patterns in London bike sharing data, focusing on seasonal and weather-related trends.
- Created an **interactive Tableau Dashboard** to visualize weather's impact on bike rentals, facilitating intuitive insights.
- Developed a **Linear Regression model** to forecast rental demand based on seasonal variations and weather conditions.

#### Radio Marketing Campaign Regression Analysis

- Utilized Python libraries for thorough **EDA analysis** and developed a **regression model** to enhance marketing campaign precision.
- Conducted an extensive **simple linear regression analysis** to determine the correlation between Radio marketing campaigns and Sales.
- Constructed and fine-tuned a regression model, validating model assumptions, evaluating performance, interpreting coefficients, and effectively communicating results to stakeholders.

#### Human Resources SQL Data Analysis and Power BI Visualization

- Cleaned and queried a Human Resources dataset using **SQL within PostgreSQL**, extracting valuable insights to address key questions about the data uncovering trends and patterns related to employee behavior and performance.
- Findings were visualized in a **Dashboard using Power BI** to gain a visual understanding of employees' behavior over the years, providing valuable information to improve HR strategies and decision-making processes.

#### Other projects in Portfolio

- **Coffe Sales analysis and interactive dashboard in Excel.**
- **Python** Live data collection Trading Bot with user-friendly **GUI**.
- **Python** WhatsApp Chatbot with ChatGPT's API Integration and **Database storage**.

### EXPERIENCE

#### Freelance Data Analyst | 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 acquired 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 solid 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

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.