

Federico Maguire

Data Analyst | Data Science Enthusiast

Buenos Aires, Argentina

Portfolio: 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.

COURSES & 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.