

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 predict 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.
 - Regression model creation and fitting. 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

- Real-time data collection Trading Bot with GUI, leveraging Binance's API.
- Live data is gathered from Binance API and a Pandas DataFrame is created to analyze data using TA library for technical indicator calculations.
 - A signal generated in the 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 uncover 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 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 technologies.