Ariel Hernandez

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Data Scientist

Profile summary: Data Scientist with experience building and validating supervised models using scikit-learn and deep learning architectures. Proficient in Python for data analysis, data transformation with pandas, NumPy, and SQL, and collaborative workflows using Git/GitHub and Azure services. Detail-oriented, analytical, and effective at cross-functional problem-solving.

Skills

SQL | PostgreSQL | Python | Pandas | Numpy | Matplotlib/Seaborn | Machine learning | Scikit-Learn | Pytorch | TensorFlow | Git/GitHub | Azure fundamentals certification | **English (C1 – Advanced)** | Python Web Scraping

DS - Technical Projects

Videogame sales analysis (github.com/Ariexx122/videogame-sales-analysis) | TripleTen (2025)
- I analyzed historical sales trends and aggregated annual sales by platform (identifying PS4, PS3, X360, and Wii as leaders) which resulted in the accurate identification of console life cycles and key profitability peaks over a 30-year period using Python, Pandas for data aggregation, and Matplotlib/Seaborn for time-series visualization.
- Conducted rigorous two-sample statistical testing to determine if user ratings for Action and Sports genres were significantly different which resulted in the rejection of the null hypothesis $P - value \approx 1.45 \times 10^{-15}$), providing definitive proof of distinct user preferences using Python, the Levene test to validate distribution variance, and the T-test (Scikit-Learn/Scipy).
- Key Achievements & Impact:
    - I statistically demonstrated a near-zero correlation between user/critic ratings and sales, optimizing marketing budget by shifting focus away from review-driven campaigns.
    - I Identified the top five most profitable genres and utilized regional market share analysis (e.g., PS3's 21.7% market share) to directly inform and prioritize the upcoming marketing campaign focus

  Technologies used: Python, Pandas, Numpy, Scipy, matplotlib, hypothesis testing, Exploratory analysis

Smart Car Recommender Web Application (github.com/Ariexx122/Sprint-7---Project) | TripleTen (2025)
- Built a data-driven web application using Python and Streamlit that delivers personalized used-car recommendations based on budget and preference constraints. Implemented data preprocessing, multi-criteria filtering, and condition-ranking logic with Pandas, enabling real-time recommendations through a clean, interactive user interface.
- Key Achievements & Impact:

  Technologies used: Python, Pandas, Streamlit, Render (Deployment), Data Cleaning & Preprocessing, Rule-Based Recommendation Logic

Professional Experience

JPMorgan Chase | Bilingual Resolution & Diagnostic Specialist, Mexico City   06/25 - 12/25
Bilingual Specialist supporting retail banking customers for Chase Bank
- I rapidly mastered complex proprietary diagnostic and account retrieval tools, reducing resolution time for high-priority cases by an estimated 30% within the first month of deployment, through intensive self-training and the application of new analytical frameworks.
- I applied constructive feedback gained from structured quality assurance reviews, which refined my diagnostic efficiency and increased my First Call Resolution (FCR) metrics by 10% over six months, leveraging post-interaction data analysis and coaching protocols.

Education

Data Scientist Certificate, TripleTen   2025
Computer engineering, ESIME (Coursework completed)   08/23 - 12/23