Abdelrahman Elaref

alarfb2@gmail.com | linkedin.com/in/abdelrahmanelaref

Summary

Data Analyst skilled in ETL pipelines, interactive dashboards, and reporting. Transforms raw data into actionable insights using Python, SQL, and visualization tools. Proven ability to work independently in remote settings with quantifiable results. Seeking remote analyst roles to apply technical expertise and business Knowledge.

Skills

Programming languages & Databases: Python, SQL, PostgreSQL, MySQL, SQLAlchemy
Data Analysis & Visualization: Excel (PivotTables, Power Query, Power Pivot), Power BI, Tableau, Machine Learning(Scikit-Learn), Pandas, NumPy, Seaborn, Matplotlib
Tools: Git, GitHub, Jupyter Notebook, Docker
SoftSkills: Remote Collaboration(Slack, Zoom), Ability to work independently, Decision-Making, Market Research, Presentation, Communication skills, Analytical problem-solving skills, KPI development

Projects

Automated Reporting System | GitHub

- **Reduced manual reporting time by 90%** by engineering a Python-Data driven system that ingests data from **5+ e-commerce sources**, automatically **calculates 10+ KPIs**, and generates comprehensive HTML reports for faster, data-informed decisions.
- Enhanced business intelligence by developing an automated ETL pipeline that **analyzes 90000+ transactions data across 60+ product categories, computing 10+ key performance metrics** and delivering clear visualizations.
- **Accelerated decision-making by 85%** by implementing robust data analysis methods that **evaluate 10+ weekly KPIs**—including revenue and customer satisfaction—and **produce 15+ actionable insights** with natural language summaries.

Sales Analytics ETL and Dashboard | GitHub

- Built a star schema database and automated ETL pipeline using Python, Pandas, SQLAlchemy, and PostgreSQL to **integrate over 20,000 rows** of EU and US sales data from spreadsheets, improving data accessibility and reducing manual processing.
- Established a PostgreSQL connection that **reduced configuration errors by 30%,** ensuring seamless data flow from the optimized database to the Power BI dashboard for enhanced sales analytics.
- Created interactive Power BI dashboard with dynamic filters and bookmarks that allows users to switch between Sales, Profit, and Quantity views for comprehensive product performance analysis.

Sales Performance Analysis Report | GitHub

- **Validated and refined 15,000 rows across 8 columns**, following data cleaning and validation protocols to address missing revenue values and eliminate inaccurate entries, ensuring data integrity and statistical reliability for downstream analysis **resulting in 13,924 high-quality rows**.
- Performed advanced revenue analysis, identifying optimal sales strategies that **projected a 15.97% increase in revenue efficiency** through data-driven recommendations.
- Established key business metrics based on the analysis findings and developed **strategic recommendations**. Suggested methods for tracking and improving sales performance, **optimizing resource allocation**, and aligning salestactics with the company's revenue growth objectives.

Education

Bachelor of Artificial Intelligence Engineering, Mansoura university   Expected 2027

Courses and Certifications

Data Science Course, ALX and Explore AI   May 2025
DataCamp Certified DataAnalyst, DataCamp   August 2024