

Hussein Tewfik

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Motivated and detail-oriented data science student with strong analytical skills and a passion for turning data into actionable insights. Experienced in statistical analysis, machine learning, and data visualization using Python, Power BI, and SQL. Eager to apply academic knowledge to real-world problems and contribute to data-driven decision making.

SKILLS

- **Languages:** Python (Pandas, NumPy, scikit-learn), SQL (Redshift, Postgres)
- **Analysis Techniques:** Predictive Modeling, Causal Inference, Random Forests, Forecasting, Hypothesis Testing, A/B Testing
- **Tools:** Github, Jupyter, Kaggle, Tableau, Power BI, Jira, VSCode, Excel

PROFESSIONAL EXPERIENCE

AppleRouth

Atlanta, GA

Math Tutor

Aug 2024-Present

- Tutor high school students in algebra, geometry, and SAT math prep, improving test scores by an average of 100+ points
- Developed personalized lesson plans based on diagnostic performance and student goals
- Provide weekly progress reports and practice test reviews to students and parents
- Fostered a supportive, confidence-building environment for students with test anxiety

PROJECTS

E-Commerce Sales Dashboard & Analysis

- Analyzed real sales data from a confidential Shopify-based shoe retailer to uncover key business insights.
- Created a dynamic Power BI dashboard to visualize metrics like net sales, order volume, customer lifetime value, and retention.
- Provided actionable insights to stakeholders to guide marketing, inventory, and customer engagement strategies.
- Demonstrated advanced Power BI skills including DAX, slicers, drill-throughs, and interactive design.

World Population Exploratory Data Analysis

- Conducted EDA on a Kaggle world population dataset to uncover demographic trends and regional disparities
- Utilized Python libraries such as Pandas for data manipulation and Matplotlib for data visualization
- Developed and documented analyses using Jupyter Notebooks within the VS Code environment
- Performed data cleaning, aggregation, and trend analysis to derive meaningful insights from historical population data
- Planned future extensions to include predictive modeling and demographic breakdowns for deeper analysis

EDUCATION

Kennesaw State University

Marietta, GA

Bachelor of Science in Data Science

- Relevant Coursework: Data Visualization, Probability & Data Analysis, Discrete Mathematics, Linear Algebra

Certifications: Google Data Analytics