SHAKIL AHAMMED

Data Analyst

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Technical Skills

• Python (Pandas, Numpy, Scikit-Learn, Seaborn, Matplotlib, Plotly) • Machine Learning (Linear Regression, Logistic Regression) • SQL • MySQL • PostgreSQL • Power BI • Microsoft Excel • Microsoft Powerpoint • Statistical Analysis

Projects

1. Superstore Sales Analysis by Python: Hypotheses: • Technology products are the most profitable. • East region has the highest sales. • Seasonal sales variations. • Same-day shipping has the lowest returns. • Higher profit on weekdays.
Conclusions: • Focus on technology products: Develop and promote them for higher profits. •Reduce lower-margin products: Optimize product portfolio. •Target Central region: Increase focus and evaluate others. •Maximize sales during November and December: Increase inventory, run targeted campaigns, and offer promotions. •Maintain sales during other months: Introduce new products and offer promotions or discounts. • Offer more same-day shipping options: Optimize inventory and supply chain. • Focus on different promotions during weekends: Offer weekend-only promotions, run targeted campaigns, and organize special events. • Offer products popular among weekend shoppers: Home entertainment, and outdoor products.

2. Vrinda Store Sales Analysis Using Excel: This project provides a comprehensive overview of Vrinda Store's sales performance in 2023, aiming to identify key trends, areas of growth, and opportunities for improvement.
Key Findings: • Sales and Orders: March had the highest sales, while November had the lowest. • Gender: Women placed 64.05% of orders exceeding men's 35.95%. • Order Status: Most orders were delivered followed by returns, cancellations, and refunds. • Top Ordering States: Maharashtra leads in orders, followed by Karnataka and Uttar Pradesh. • Channels: Amazon had the highest order count followed by Myntra and Flipkart. • Age Group: Women dominated orders across all age groups. • Channel Distribution: Amazon consistently led in order percentage, followed by Myntra and Flipkart.
Recommendations: Enhance customer satisfaction in top-ordering states. Allocate resources based on channel contributions. Foster innovation, provide training and promote data-driven decision-making.

3. Credit Card Financial Dashboard Using Power BI: • Developed an interactive dashboard using transaction and customer data from an SQL database to provide real-time insights. • Streamlined data processing & analysis to monitor key performance metrics and trends. • Shared actionable insights with stakeholders based on dashboard findings to support decision-making.

4. Breast Cancer Prediction Machine Learning Project Using Logistic Regression: Predict cell malignancy based on breast cancer dataset measurements.
Conclusion: Our analysis using a logistic regression model on breast cancer data shows promise. The trained model can be:
• Used for punctual cell analysis in hospitals. • Integrated into a doctor-facing application for predictions. • Potentially connected to a tissue analysis machine for automated diagnosis. Utilizing Python as a minimalist API, this approach could significantly save lives.

5. Northwind Traders Sales Analysis by SQL: Analyze and interpret the sales data of Northwind traders. The project utilizes SQL to query and manage large datasets, providing a comprehensive view of sales patterns, customer behavior, and inventory management. The analysis is focused on identifying key trends, performance metrics, and potential areas for optimization.

Experience

I have a year (2023-24) of experience in scientific research and statistical analysis focused on forest health at SUST.

Portfolio

Github: github.com/SHAKIL-The-Analyst **Google Drive:** drive.google.com/drive

Certifications & Achievements

Issuing Organization: IBM Cognitive class
SQL and Relational Databases 101
Data Analysis with Python
Data Visualization with Python
Machine Learning with Python
Python 101 for Data Science

Issuing Organization: Simplilearn
Business Analytics with Excel
Power BI for beginners
Become a data scientist statistics for data science

Education

Shahjalal University of Science and Technology **Jan 2020 – Present**
Bachelor of Science in Forestry & Environmental Science *Sylhet, Bangladesh*