

SUMMARY

I am a Detail-oriented data science professional with a strong foundation in Actuarial Science and practical experience in data analysis. Skilled in leveraging statistical methods, programming, and data visualization tools to derive actionable insights. Currently enhancing expertise through Data Science training while bringing experience from national statistical projects and database management.

SKILLS

LANGUAGES	SKILLS	DATA TOOLS	SOFT SKILLS
Python	Data Visualization and Analysis	Power-BI	Customer service
SQL	Statistical methods	Tableau	Goal oriented
R- programming	ETL and ETL Development	Excel	Time management
	Machine Learning	PostgreSQL and OracleDB	communication

EXPERIENCE

Freelance SQL Developer | Upwork |Remote | may 2024 – Present: Part Time

- Created and optimized SQL queries to meet diverse business requirements
- Managed database operations and developed solutions to support business reporting needs
- Demonstrated ability to work independently while delivering client-specific solutions

Data Analyst | Kenya National Bureau of statistics|Mombasa Kenya| June 2023 - September 2023 : Full Time

- Assisted with data collection and analysis for national statistical projects
- Applied statistical methods to derive actionable insights from large datasets
- Contributed to national data initiatives while developing practical analytical skills

Sales and Marketing Representative | ABSA |Mombasa, Kenya| June 2022: Part Time

- Provided excellent customer service while promoting banking products and services
- Contributed to customer acquisition strategies and retention efforts
- Built and maintained strong client relationships while meeting sales objectives

PROJECTS

1. Financial Inclusion Prediction App using Streamlit

Problem Statement: Addressed the challenge of predicting financial inclusion across East Africa to identify individuals' access to financial services.

Model: Preprocessed data and built a machine learning classifier in Python and deployed a Streamlit app for real-time predictions.

Conclusion: Delivered an accessible tool to support insights into financial inclusion trends, enhancing decision-making in financial service accessibility.

GitHub:<https://github.com/DianaMugho/Financial-inclusion-model>

2. India-USA Inflation Analysis

Problem Statement: Analyzed the correlation between inflation rates in India and the USA and the exchange rate between INR and USD from 1980 to 2024 to explore economic stability and test the PPP theory.

Method : Conducted statistical correlation and trend analysis to investigate relationships between inflation rates and exchange rates over time.

Conclusion: Demonstrated the impact of inflation on currency valuation, providing insights into broader economic factors influencing exchange rates.

GitHub:<https://github.com/DianaMugho/India-USA-inflation-analysis-1980-2024->

EDUCATION

- Bachelor of Science in Actuarial Science | Kabarak University| 2020-2024
- Diploma in Data Science | Gomycode school | March 2024-August 2024