Data Analyst/ Health Information Analyst

# Ademola Abraham

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## Key Skills

| Python | Excel | Tableau |
|---|---|---|
| Libraries: Pandas, NumPy, Matplotlib | Tools: Pivot Table, Pivot Chart, VLOOKUP | Tools: Dashboard development, KPIs, Ad-hoc analysis and visualization |

## Projects/Experience

Demonstrating a proven track record of success in a data analysis and project management as an aspiring Health Information Analyst, I have consistently delivered impactful solutions and contributed to organizational objectives. Below are highlights of my key accomplishments and contributions throughout my career;

❖ Breast Cancer Data Analysis and Visualization Project
- I conducted a comprehensive data analysis on a breast cancer dataset using Python, performing data cleaning, exploratory data analysis and advanced data querying techniques to extract meaningful insights.
- I utilized Tableau to create an interactive and visually compelling visualization, enabling a clear interpretation of complex breast cancer data trends and patterns, used by 10+ stakeholders.
- I applied Python programming skills to manipulate and preprocess diverse dataset features including year, diagnosis, metastasis, age, menopause, medical history and tumor characteristics.

❖ Healthcare Data Analysis and Visualization Project
- I performed exploratory data analysis (EDA) and data querying to uncover trends and patterns in the healthcare dataset, including admission dates, patient demographics, diagnoses and medication.
- I conducted Ad-hoc analysis and visualization on the dataset, enabling informed decision-making and process improvement.
- I demonstrated my capability to work with diverse healthcare data, including admission types, patient demographics and medical histories, contributing to an increased patient care and operational efficiency by 25%.

❖ World Population Data Analysis and Visualization with Excel
- I analyzed healthcare related data within a world population dataset, including population density and land area occupied by countries, to inform healthcare resource allocation and planning.
- I extracted and presented insights from large dataset, such as top 10 most populated countries, to inform strategic healthcare interventions and policies.
- I leveraged Excel for healthcare data visualization, effectively communicating findings to stakeholders and facilitating data driven discussions to address global health challenges.

## Services I can offer

A. Data collection and processing: I can collect and compile data from various sources, ensuring data accuracy and completeness and I can also cleanse and preprocess data to prepare it for analysis.
B. Data analysis: I can perform exploratory data analysis to identify trends, patterns and outliers. I can also develop and implement statistical models to extract meaningful insights from large datasets.
C. Data query: I can request for information from a database management system and can also retrieve data or change information in a database, such as adding or removing data.
D. Reporting and Visualization: I can create and maintain dashboard and report to communicate key performance indicators and metrics. Collaborate with cross-functional teams to present finding and recommendations.
E. Data quality assurance: I can implement and maintain data quality standards and procedures. I can also monitor and address data discrepancies or anomalies.
F. Business intelligence: I can provide actionable insight support planning and decision making.
G. Collaboration: I can work closely with other department to understand their data needs and provide relevant insights.

❖ I can also perform Additional services such as coding and billing support, risk management, administrative support, Project Coordination, Data Entry etc.

## Certification/Education

- High school Diploma, Eucharistic Heart of Jesus Model College, Year Graduated-2020
- B.Sc. Physiology, University of Ilorin, Nigeria (Expected Graduation Year: November, 2024)
- Data Analysis Boot Camp, Free code camp, 2022-2024
- Online courses in Data Analytics and Visualization in Health Care and Related Fields, edX, 2023-2024

## Additional Skills

- Data Analysis
- Database Management
- Critical Thinking
- Domain knowledge
- Verbal communication
- Statistical knowledge
- Typing Speed and Accuracy

- Medical terminology
- Healthcare Compliance
- Decision making
- Organizational and time management
- Problem solving
- Mathematical skill

- Electronic Health Records (EHR)
- Healthcare Information Systems
- Computer and technical skills (including software knowledge)
- Information security
- Research
- Collaboration

## Summary

As an analytically driven health information analyst proficient in Python, Tableau and Excel. Leveraging advanced data manipulation and visualization skills, I excel in translating complex healthcare data into actionable insights for informed decision making and strategic planning.

I also possess extensive expertise in medical terminology, including Anatomy, Physiology, Pathophysiology and Clinical applications, making I equipped to be able to provide valuable insights and analysis as a health information analyst. This comprehensive knowledge enhances my ability to understand and interpret healthcare data effectively, ultimately contributing to informed decision-making and optimal patient care outcomes.