Data Analyst/ Business Analyst

BARO MONARCH ONORIOSE

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Professional Summary

Data Analyst with experience in **Python**, **SQL**, **Tableau**, **Power BI**, and **Excel**. Skilled in data cleaning, analysis, and creating reports and dashboards. Experienced in building ETL processes and working with large datasets to support decision-making and improve business performance.

Core Skills

- **Data Analysis & Visualization**: **Python** (Pandas, NumPy, SciPy, Matplotlib), **SQL** (SQL Server, MySQL), **Tableau**, **Power BI**, **Excel** (VLOOKUP, Pivot Tables),

- **Data Cleansing & Preprocessing**: Data wrangling, Missing Data Imputation, Duplicate Removal, Text Analysis.

- **Statistical Methods**: Time Series Analysis, Regression, Clustering, Predictive Modeling.

- **Business Intelligence & Reporting**: Power BI, Tableau, Data Modelling, Reporting Automation.

- **Problem Solving & Critical Thinking**: **Creative Data Solutions**, **Analytical Reasoning**

- **Database Management**: **SQL Server**, **MySQL**

- **Additional Tools**: **DAX**, **Power Query**, **ETL processes (Extract, Transform, Load)**

Projects

UNITED STATES' CENSUS DATA

- **Analyzed** U.S. Census data (2010-2015) for demographic trends, handling a dataset of **over 300,000 records** using **Python** (Pandas, NumPy) for data cleaning, transformation, and analysis.

- **Identified** key population growth patterns and regional demographic shifts, providing actionable insights into migration and urbanization.

- Visualized findings using **Matplotlib**, producing a **professional report** summarizing key insights.

NEWYORK TAXI TRIPS DASHBOARD

- **Developed** a **Power BI dashboard** to visualize and analyze **28 million taxi trips** between **2017-2020**, covering **265 locations** across New York City

- **Processed** and cleaned data using **DAX** and **Power Query**, improving data accuracy by **30%** and ensuring the integrity of trip records.

- **Uncovered insights** on peak travel hours, average trip lengths, and revenue generation, helping the client optimize their fleet management and staffing decisions.

MATERNAL HEALTH RISK ANALYSIS

- Analyzed **50,000+ records** from **15+ hospitals and clinics** to identify **risk factors in maternal health** using **Tableau**.
- Discovered key correlations between **maternal conditions** and **health risks**, improving **predictive accuracy by 20%** for health complications during pregnancy.
- Created an **interactive Tableau dashboard**, providing **real-time insights** that helped healthcare professionals optimize **resource allocation** and **decision-making** for high-risk pregnancies

Work Experience

Junior Data Analyst – Quantum Analytics **–** Nigeria   July 2023 - present

- **Designed and launched 30+ interactive dashboards** using **Tableau** and **Power BI**, enabling real-time insights for stakeholders and improving data-driven decision-making across the business.

- **Extracted, cleaned**, and analyzed **data from SQL databases** (AdventureWorks) to improve insights into **sales**, **customers**, and **product data**, reducing **data processing time by 15%**.

- Enhanced **reporting accuracy by 25%** through **data validation techniques**, ensuring more **reliable** and **actionable business reports**.

- **Developed and deployed predictive models** for sales and revenue forecasting, achieving **85% accuracy**, allowing for better strategic planning and resource allocation.

- **Collaborated with cross-functional teams** to design and implement data pipelines that streamlined data extraction and processing, improving operational efficiency by **30%**
- Transformed raw data into actionable insights, presenting findings to stakeholders in an intuitive and easy-to-understand format.

Education

BACHELOR OF SCIENCE IN PHYSIOLOGY

Delta State University, Abraka, Delta State, Nigeria.

- Graduated with **Second Class honors Upper Division**
- **C.G.P.A** : **3.4/4.0**

Certification

- **MICROSOFT CERTIFIED: POWER BI DATA ANALYST ASSOCIATE –** Microsoft.
- **DATA ANALYSIS CERTIFICATE OF COMPLETETION -** Quantum Analytics NG.