

OBED MAWUNYO TETTEY

Business Intelligence & Data Analyst | SQL • Power BI • Python • Data Storytelling
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PROFESSIONAL SUMMARY

Business Intelligence & Analytics professional with expertise in transforming complex datasets into actionable insights and executive dashboards. Skilled in Power BI, SQL, Python, and R, with a strong foundation in statistics and econometrics. Experienced in building data pipelines, KPI dashboards, and predictive models that inform policy, improve efficiency, and drive business decision-making. Proven success in leading analytics teams, automating reporting processes, and delivering insights that support food security, economic planning, and organizational growth.

TECHNICAL SKILLS

- **Business Intelligence & Visualization:** Power BI, Tableau, Excel (Power Query, PivotTables, advanced charts), Dashboard design & KPI tracking
- **Databases & Data Management:** Microsoft SQL Server, PostgreSQL, MySQL, SQL optimization, Data modeling (Star/Snowflake schema)
- **ETL & Data Preparation:** Power Query, Data cleaning & transformation, Workflow automation
- **Programming & Analytics:** Python (pandas, matplotlib, seaborn), R (ggplot2, dplyr, tidyverse)
- **Research & Statistical Methods:** Data mining, Forecasting, Time series analysis, Hypothesis testing
- **Professional Skills:** Data storytelling, Stakeholder engagement, Cross-functional collaboration, Problem-solving

PROJECTS & PORTFOLIO

- **Agricultural Market Price Dashboard (Power BI | SQL | Excel)**
Built an interactive dashboard to visualize 260+ weekly market price reports across 16 regions. Connected Power BI to SQL for real-time analysis, created KPIs (price trends, % change, anomalies), and enabled stakeholders to monitor food inflation
- **Crop Yield Forecasting Model (Python | R | scikit-learn)**
Developed predictive models using regression and time series analysis on 28 years of agricultural production data. Achieved forecasting accuracy within $\pm 8\%$ (RMSE), helping policymakers anticipate crop shortages and optimize resource allocation.
- **Food Security & Inflation Tracker (Power BI | SQL | Python)**

Designed a BI dashboard integrating commodity price data and national food inflation indices. Built KPI-driven visualizations to highlight the relationship between food prices, inflation, and regional disparities, supporting evidence-based policy and economic planning.

PROFESSIONAL EXPERIENCE

MINISTRY OF FOOD AND AGRICULTURE, GHANA

OCT. 2018 – PRESENT

Research Analyst

- Designed and implemented SQL-based databases consolidating 28 years of agricultural and market data from 16 regions, improving data accessibility and reducing reporting time by 40%.
- Developed and automated interactive dashboards (Excel/Power Query, SQL reporting) to track crop yields, food prices, and supply chain performance, used by senior policymakers to inform food security strategies.
- Translated complex datasets into business-ready insights, delivering regular reports and visualizations that influenced national agricultural policy decisions.
- Partnered with cross-functional teams to define and monitor KPIs (crop production trends, price fluctuations), enabling stakeholders to respond proactively to market shocks.
- Supervised and mentored a team of 9 (5 analysts, 4 interns), improving the accuracy and efficiency of 260+ weekly market price reports through BI tools and process automation.

EDUCATION

Master of Public Policy (Finance/Macroeconomics, Minor in Data Science) – KDI School of Public Policy & Management, South Korea (Magnum Laude)

BSc Statistics (Cum Laude) – Kwame Nkrumah University of Science and Technology, Ghana

CERTIFICATION

Google Data Analytics Professional Certificate – Coursera

Data Scientist with Python & R – Data Camp

REFERENCES

AVAILABLE UPON REQUEST.