

**Greg Odi**

**Data Analyst & Data Scientist**

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**Professional Summary**

Data professional with expertise in **predictive modelling**, **statistical analysis**, and **data storytelling**. Proven ability to transform raw data into actionable insights using Python, SQL, and Power BI. Passionate about solving business problems through machine learning and scalable data solutions.

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**Technical Skills**

**Languages:** Python (pandas, NumPy, scikit-learn, stats models), SQL, R

**Machine Learning:** Regression, Classification, Time-Series Forecasting (ARIMA), Feature Engineering

**Visualization:** Power BI, Tableau, Plotly, matplotlib/seaborn

**Tools:** Jupyter Notebooks, Excel (Advanced), Git, Bootstrap

**Domains:** Education Analytics, Financial Modelling, Agricultural Data

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**Professional Experience**

**Freelance Data Analyst | Remote**

*2020 – Present*

- **JAMB Performance Forecasting**
  - Engineered an **ARIMA model** (Python/stats models) to forecast gender-disaggregated pass/fail rates (2026–2030), achieving **89% accuracy** through back testing and AIC optimization.
  - Identified key drivers of performance gaps (e.g., study hours, laptop access) using **feature importance analysis**, aligning with policy recommendations.
- **Bank Marketing Analysis**
  - Conducted EDA on customer campaign data, building a **logistic regression model** (scikit-learn) to predict subscription rates (AUC: 0.92).
- **Agricultural Data Consulting (AgriCon)**
  - Designed **Power BI dashboards** to track crop yield trends, enabling farmers to optimize planting schedules (+15% productivity).

**Business Analyst | Self-Employed**

*\*2015 – 2020\**

- Developed Excel-based financial models for SMEs, reducing budgeting errors by **22%**.

- Automated sales inventory tracking using **Python scripts**, cutting manual reporting time by **40%**.
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## Education

**BSc in Building** | University of Lagos (2003)

**PGD in Business Administration** | Abdu Gusau Polytechnic (2006)

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## Certifications

- **Data Analytics Certificate** – Digital World Technology
  - **SQL for Data Science** – DataCamp
  - **Python for Data Analysis** – Digital World Technology
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## Projects

### [JAMB Failure Rates Analysis](#)

- Forecasted exam trends using **time-series analysis**, highlighting gender disparities (see [forecast\\_gender\\_rates.png](#)).
- Tools: Python, ARIMA, Feature Importance Analysis.

### [Penguin ML Classifier](#)

- Built a **multi-class classifier** (Random Forest) to predict penguin species with **92% accuracy**.

### [AgriCon Dashboard](#)

- Interactive Excel tool for agricultural productivity tracking.
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## Languages

- English (Fluent)