

# BADAWI, Aminu Muhammed

Data Analyst | Business Intelligence | Research Scientist

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## SUMMARY

Analyst with 5 years of experience in using descriptive, inferential, and predictive analytics across domains such as public health, finance, and SMEs, where I have designed dashboards, developed data models, employed ETL pipelines, and deployed insights that cut reporting lag and improved strategic outcomes. Trained to make use of modern tools to detect trends & patterns, wrangle data, and proffer solutions-based models for actionable insights.

## CORE SKILLS

- **Languages:** SQL, Python, R, & Excel VBA
- **Data Collection:** G. forms, KoboTool, ODK
- **Document typesetting:** LaTeX
- **Monitoring & Evaluation | Statistical Analysis | Data modelling | ETL Processes | Time Series**
- **Office suite:** MS Word, Excel, Google sheets.
- **Technical Writing:** Grammarly, Quillbot etc.
- **Research:** SPSS, QGIS, Semantic Scholar.

## WORK EXPERIENCE

### Data Analyst (Freelance)

- ❖ Bt-Hub Centre for Digital Skills and Innovation
  - Led training sessions on R, SQL, Python, and data visualization for early-career analysts.
- ❖ Designed and built Business models that improved purchasing decisions and reduced overstock for several SMEs within Kaduna state.
- ❖ Employment of computational Techniques for Omics data analysis for Florets Centre for advanced genomics and bioinformatics.
- ❖ Trained local Health staff on sampling survey techniques, data collection & quality assessment, and use of SPSS for Fundamental statistical Analysis.

### Training Facilitator

#### Uzat Global Consulting, Abuja (Hybrid)

Aug. 2025

- Spearheaded the design and facilitation of data analytics and M&E Capacity Building programs, including the flagship masterclass “*Raw data to strategic Insight*”.
- Conducted training sessions on data visualisation, impact measurement, and data-driven storytelling while also contributing to the development of M&E reporting templates, data validation protocols & performance tracking systems.
- Lead the design of data collection tools, surveys, and performance dashboards using Excel, Power BI, and Python to enhance reporting accuracy by over 40%.

### AI Data Specialist

#### RWS Group -UK (Remote)

Jul. 2025

- Performs data annotation, labelling, and linguistic evaluation across multilingual datasets for AI and machine-learning models.
- Conducts data quality checks and root-cause analysis to identify inconsistencies, improving annotation precision and dataset reliability by up to 35%.



- Engages in pairwise comparison tasks, tagging, and content classification, enabling AI models to better recognize linguistic nuances and domain-specific intents.

## Finance/Marketing Analyst

Moorlick Animal Multi-nutrients

*Dec. 2025 – Nov. 2025*

- Incorporated the *SPC-Six Sigma* to minimise defects and reduce variability to the standard 3.4 DPMO.
- Tracked and reported financial KPI's including budget variance, burn rate, customer churn rate, and cost-effectiveness analyses for supply chain logistics.
- Managed financial accounts, marketing expenses, payroll schedules, cost analysis, and balance sheets to ensure profit maximization.

## Finance/Operations Manager

Medhal Nigeria Limited

*Sep 2022 – Nov. 2024*

- Managed NCAT's Cafeteria II services as an independent contractor for 2+ years with a developed structured operational process of a 24/7 cycle.
- Developed an automated stock inventory, Revenue tracking, and record management system to aid data-driven decision-making and timely reporting processes.
- Employed the *Six Sigma DMAIC* method to minimise variations in production, thereby maximising revenue up to a 62% net margin.

## Project Analyst

Medhal Nigeria Limited

*Jun. – Aug. 2022*

- Co-supervised the Completion of a 250-capacity cafeteria for the Nigerian College of Aviation Technology, awarded to Medhal Nigeria Limited.
- Procured & supplied office and Cafeteria infrastructures for the Nigerian College of Aviation Technology.

## WORKSHOPS

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- Research and Professional Writing Techniques. (*Academic Workshop*)
- Writing Effective Grant Applications. (*Academic Workshop*)
- Adolescent Girl Initiative for Learning and Empowerment. (*Government*)

## CERTIFICATIONS

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- Statistical Analysis using R and SPSS.
- Datacamp Intermediate SQL.
- W3 Practical Data analysis & Visualization.
- Ethical Publication Practices for Researchers.
- INFORMS** Professional Analytics Certificate.
- Adolescent Girl Initiative for Learning and Empowerment. (*Certificate of participation*)

## MEMBERSHIPS/COMMUNITIES

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- Nigerian Association of Data Analyst & Business Intelligence Experts (NSDABIE)
- Chartered Institute of Statisticians of Nigeria (CISON)
- BT-Hub Data Science Community – Community Head
- Floret Emerging Scientist Internship Program (FESIP-2)
- Kaggle Data Community



## PROJECTS/PUBLICATIONS

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- Development TNWED for modelling Breast cancer data (Journal article)
- Cure Fraction Models based on the TNWED for Survival Data; paper presented at the 8<sup>th</sup> PSSN Conference with the theme- “key to Unlocking Nigeria’s Economic Potentials.”
- Designed and implemented automated Excel inventory systems using VBA macros to streamline data entry and reporting.
- Programmed a keyword search bar in Excel for a large HR employee dataset.
- Developed malaria data analysis in R, applying epidemiological metrics, spatial mapping, and trend analysis for health interventions.
- Design and deployment of CRM systems for enhanced customer engagement. (proved to yield efficiency by over 40%)
- Built automated data pipelines using Apache Airflow, scheduling CRM data synchronisation between Google Sheets, email notifications, and sales analytics dashboards.

## VOLUNTEER SERVICES

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- STEM tutor for pre-university aspirants (ILYASAWA Foundation, Zaria).

## EDUCATION

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 Master's Degree in Statistics Ahmadu Bello University, Zaria	2021 – 2024
 Bachelor's Degree in Statistics Ahmadu Bello University, Zaria	2013 – 2017
 Computer Software Applications Nuhu Bamalli Polytechnic, Zaria	2012

## REFEREES

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Available on Requests