MARTABA DEVELOPMENT RESOURCE FOUNDATION

Executive Training Program on Data Analysis for Development Professionals

Introduction

In today's development landscape, data has become the new currency and the backbone for impactful decision-making, accountability, and innovation. Development professionals, public sector leaders, and researchers are increasingly required to generate, analyze, and interpret data to design impactful programs, inform evidence-based policies, and demonstrate results to donors and stakeholders.

This Executive Training Program on Data Analysis is specifically designed to address this gap and empower participants with the practical skills and analytical mindset needed to transform raw data into actionable insights. The training will equip development professionals, researchers, and public sector experts with skills, tools, and strategies to effectively collect, analyze, interpret, and communicate data. The training goes beyond the basics. It balances theory with practical, hands-on exercises using real development sector datasets and real-world examples for navigating the complexities of data analysis. Through a blend of theory, practical exercises, real-world case studies, and peer learning, participants will build the confidence to use data as a powerful driver of change in their organizations and communities.

By the end of the program, participants will not only understand the principles of data analysis but will also be confident in applying data-driven approaches to problem-solving, program management, monitoring & evaluation, and policy development.

This training is especially suited to professionals working within or aspiring to work within the development sector, research organizations, public institutions, and donor-funded projects, where data quality, analysis, and presentation are critical to success.

Course Objectives

By the end of this Data Analysis training program, participants will be able to:

i. Understand the fundamentals of data analysis including concepts, terminologies, and frameworks relevant to development practice.
ii. Apply data collection and cleaning techniques to ensure quality and reliability of datasets.
iii. Conduct descriptive, inferential, and predictive data analysis using widely adopted tools (Excel, SPSS, and/or STATA/R).
iv. Visualize and communicate data insights effectively for decision-making, advocacy, and reporting.

v. Integrate data-driven approaches into program design, Monitoring & Evaluation (M&E), and policy development.
vi. Enhance organizational capacity to meet donor requirements through evidence-based reporting and accountability.

Who Should Attend

This Data Analysis training program is ideal for:

i. Development professionals and project managers working in NGOs, INGOs, and donor-funded projects.
ii. Monitoring & Evaluation (M&E) officers, data managers, and impact assessment specialists.
iii. Policy makers, government officials, and public sector managers involved in planning, budgeting, and reporting.
iv. Researchers, think tanks, and academic professionals working on development-related studies.
v. Program officers, analysts, and consultants seeking to strengthen their data analysis and visualization skills.

Course Content

1. Introduction to Data and the Development Context

a. The role of data in development, governance, and research.
b. Types of data: qualitative vs quantitative.
c. Principles of data quality and ethics in data handling.
d. Introduction to data analysis tools (Excel, SPSS, STATA, R).
e. Practical Session: Setting up datasets, importing/exporting data.

2. Data Collection, Cleaning, and Management

a. Data sources in development (household surveys, administrative data, secondary data).
b. Designing and managing databases for development projects.
c. Data cleaning techniques: handling missing data, outliers, and inconsistencies.
d. Practical Session: Cleaning and managing raw data using Excel and SPSS.

3. Descriptive and Inferential Data Analysis

a. Descriptive statistics: measures of central tendency and dispersion.
b. Cross-tabulations and frequency distributions.
c. Inferential statistics: sampling, hypothesis testing, correlation, and regression analysis.
d. Practical Session: Conducting descriptive and inferential analysis using SPSS/STATA.

4. Data Visualization and Communication of Results

a. The art of telling stories with data.
b. Tools for visualization: Excel dashboards, Tableau/Power BI (introductory).
c. Designing policy briefs, fact sheets, and donor reports with data-driven evidence.
d. Practical Session: Creating impactful charts, dashboards, and infographics.

5. Applied Data Analysis in Development Practice

a. Case studies: Applying data analysis in program design, monitoring & evaluation, and policy development.
b. Integrating data analysis with decision-making frameworks (RBM, LogFrame, Theory of Change).

c. Group project: Analyzing a development dataset and presenting findings.
d. Closing session: Lessons learned, action planning, and post-training support.

Methodology
The instructor-led training courses are delivered using a blended learning approach and comprise presentations, guided sessions of practical exercise, web-based tutorials and group work. Our facilitators are seasoned industry experts with years of experience, working as professionals and trainers in these fields.

Date and Duration of Training

- 5 Full Days Specifically, **15th – 19th December 2025**.
- Delivery format: **Residential** (with accommodation), or **non-residential** (without accommodation).

Course Participation Fee per person: NGN250,000.00 (***Early Bird Discount:*** **NGN200,000.00** valid until 20th November 2025)
All payments are to be made to the following account:
Account Name: Martaba Development Resource Foundation
Account Number: 1313510880
Bank Name: Zenith Bank
Note: Accommodation can be arranged for interested participants at a negotiated price.
Registration Closes: 30th November 2025

Unique Value Proposition

- Tailored specifically for **development professionals and policymakers**.
- Hands-on training with **real-life development sector datasets**.
- Exposure to industry-standard tools: Excel, SPSS, STATA, and R.
- **Networking opportunities** with peers from NGOs, government, and research institutions.
- Facilitated by **expert trainers** with years of experience in data analytics, M&E, and policy research.
- Participants will receive a **Certificate of Participation from the Modibbo Adama University of Technology (MAUTECH), Yola** to strengthen their professional profile.

Contact & Registration
Register Now by Filling the registration form on XXXXXXXXXXXXXXX (Note Payment confirms registration)
For inquiries and registration, contact:
Email: info@mdrf.org.ng
Phone: +2347070078980, +2347010080900
Website: www.mdrf.org.ng

This training is positioned as a transformational executive program that equips participants to not only manage data but to leverage it as a powerful tool for impact, policy influence, and organizational excellence.