
Plan Overview

A Data Management Plan created using DMPonline

Title: The efforts of Telecommunications Sector (MTN Nigeria) in Advancing Sustainable Development Goal 4: Quality Education in Nigeria

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Project abstract:

The United Nations SDGs aim to promote sustainable growth by ensuring well-being, economic development, environmental regulation, and educational progress. Amongst these goals is SDG 4 which focuses on inclusive and equitable quality education, promoting lifelong learning opportunities for all. Using quantitative research methodology, this study investigated the role of MTN in education development for the attainment of SDG 4 in Nigeria. The study finds that MTN makes significant contributions to educational development in Nigeria, particularly in expanding digital literacy, providing scholarships, and improving infrastructure. Although their reach remains uneven in the nation, MTN's educational interventions align with SDG 4 by supporting access, equity, and quality outcomes in Nigeria. Overall, MTN's interventions contribute meaningfully to SDG 4 in Nigeria, but their full potential lies in expanding inclusivity, strengthening partnerships, and ensuring that CSR remains integrated with long-term educational transformation. While CSR may not substitute for systemic government investment, MTN's interventions complement public efforts and demonstrate the vital role of private-sector actors in bridging educational gaps in Nigeria.

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The efforts of Telecommunications Sector (MTN Nigeria) in Advancing Sustainable Development Goal 4: Quality Education in Nigeria

Data Collection

What data will you collect or create?

- - Quantitative data: Survey responses from Nigerian participants (beneficiaries, teachers, students, community leaders, general public). Questions use Likert scales, multiple-choice, and numerical formats.
 - Qualitative data: Limited open-text survey responses for perceptions and recommendations.
 - Demographics: Age, gender, education level, location, occupation (for comparative analysis).
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How will the data be collected or created?

- - Structured online questionnaire (Google Forms).
 - Targeted distribution via email and social media.
 - Sample size: approx. 150 respondents, stratified random sampling.
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- How will data be processed?
 - Quantitative: Descriptive and inferential statistics using SPSS and Excel.
 - Qualitative: Thematic coding of open-text responses.
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Documentation and Metadata

What documentation and metadata will accompany the data?

- Metadata includes survey structure, coding schemes, and variable labels.
- Data dictionary will define each survey item, scale, and demographic variable.
- Methodological details (sampling, consent, and ethics) will accompany datasets.

Ethics and Legal Compliance

How will you manage any ethical issues?

- Ethical approval: Secured through University of Plymouth.
- Consent: Obtained electronically via consent tick box before survey participation.
- Confidentiality: No personally identifiable data collected.
- GDPR compliance: Anonymisation of responses, GDPR certificate included.
- Withdrawal: Participants may exit at any stage without penalty.

How will you manage copyright and Intellectual Property Rights (IPR) issues?

Copyright rests with the author. No quotation or information derived from this work may be published without prior consent.

Storage and Backup

How will the data be stored and backed up during the research?

- Data stored in password-protected University of Plymouth OneDrive.
- Backup copies maintained on encrypted personal computer drives with restricted access.
- Google Forms data exported and deleted from the platform after transfer.
- Storage duration: retained securely for 10 years.

How will you manage access and security?

- Anonymised datasets and statistical outputs will be preserved.
- Data will be retained for long-term academic use, potential re-analysis, and follow-up studies.
- Raw identifiable consent data will not be preserved.

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

- anonymised survey datasets, metadata, cleaned analysis files, and final outputs.

What is the long-term preservation plan for the dataset?

1. Data Types to be Preserved
 - Anonymised survey datasets (quantitative and qualitative).
 - Metadata and documentation (survey instruments, coding manual, data dictionary).
 - Processed statistical outputs (Excel/SPSS files, tables, figures).
 - Final research report (capstone document, appendices including ethics/GDPR certificates).
- 2.
3. File Formats for Preservation
 - CSV (for raw and cleaned datasets – universally accessible).
 - SAV/SPSS (for advanced statistical analysis – preserves coding/labels).
 - DOCX + PDF/A (for thesis, appendices, and supporting documents).
 - TXT/RTF (for qualitative responses, if needed for text-mining).
- 4.
5. Storage Location & Access
 - University of Plymouth OneDrive (password-protected, encrypted) – primary storage.
 - Secondary encrypted backup on researcher's institutional device.
 - Controlled access – limited to the researcher, supervisor, and approved university staff.
- 6.
7. Retention Period
 - Data will be retained securely for 10 years, in line with University of Plymouth's research data policy.
 - After 10 years, a review will be conducted to decide whether to archive further or securely delete.
- 8.
9. Access & Sharing
 - Anonymised datasets may be shared upon request with University of Plymouth researchers.
 - No public release without explicit approval and additional safeguards (e.g., repository deposit under license).
 - Sensitive or identifiable data (e.g., raw consent forms) will be deleted immediately after project completion.
- 10.

Data Sharing

How will you share the data?

- Anonymised datasets may be shared within the University of Plymouth research community upon request.
- Findings will be disseminated through the final capstone project, possible journal publications, and academic presentations.
- Data will not be publicly shared without approval from the data manager and compliance with University policies.

Are any restrictions on data sharing required?

Data sharing is restricted to anonymised, non-sensitive datasets. Access will be controlled, not public, and subject to ethical safeguards.

Responsibilities and Resources

Who will be responsible for data management?

- Data Manager: Abdulmalik Adebimpe (student researcher).
- Supervisor oversight: Dr. Jiajia.

What resources will you require to deliver your plan?

- - Google Forms (survey collection).
 - University of Plymouth OneDrive (secure storage).
 - SPSS and Excel (data analysis).
 - Zotero (reference management).
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