Plan Overview

A Data Management Plan created using DMPonline

Title: The Impact of Big Data Analytics in Detecting Internet Fraud in Nigeria Banks

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Project abstract:

This study investigates how Big Data Analytics (BDA) impacts the detection of internet fraud in Nigerian banks. The research adopts a positivist philosophy, using a deductive approach and a quantitative strategy, with data collected through survey questionnaires distributed to fraud detection experts, IT personnel, and managers. The study applies statistical analysis, including descriptive statistics, correlation, and regression analysis, to uncover patterns and relationships in fraud detection. The findings reveal that larger Nigerian banks effectively use Big Data Analytics (BDA) to improve fraud detection, while smaller banks face challenges due to outdated systems, poor data quality, and a lack of skilled personnel. Recommendations include technology partnerships, staff training, phased system upgrades, and collaboration with regulators to enhance fraud detection capabilities.

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Copyright information:

The Impact of Big Data Analytics in Detecting Internet Fraud in Nigeria Banks

Data Collection

What data will you collect or create?

This study will collect quantitative data through an online survey. Participants must be above 18 and be familiar with big data and online fraud detection. The survey will gather data which include, Screening questions, Utilization of Big Data, effitiveness of big data, challenges in detecting online fraud, and improvement for detecting online fraud. Established scales adapted for this study will be used.

How will the data be collected or created?

JISC online survey will be use to collect data

Documentation and Metadata

What documentation and metadata will accompany the data?

Data will be collected from participants pertinent to the research. Data collected from survey will be confidential and also be anonymous. Only the principal investigator can access the participate details. Researchers can have access to responses which is stored with an identifying number known only by the investigator. Data collected from this survey will be stored in the University of Plymouth OneDrive.

Ethics and Legal Compliance

How will you manage any ethical issues?

Managing ethical issues, before participate take the survey they will read a consent form and confirm it before they can participate. Data from participate will be anonymous and will be confidential. Participate will be informed of their right to withdraw from survey at any time. Ethical approval have been obtained for this research and duly signed by the principal investigator and research supervisor.

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

To manage copyright and intellectual property right, everything created must be original and if any other materials are used it must be duly and properly credited by the principal investigator. Findings and Data will belong to the principal investigator and the institution.

Storage and Backup

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

All data will be stored on Jisc or the University of Plymouth OneDrive (cloud-base encrypted files)

How will you manage access and security?

Only the Principal investigator will have access to the raw data

Selection and Preservation

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

Data collected will only be kept for the duration of the study and will be deleted from OneDrive when the analysis and write-up have been completed. It might be in published works and posted online for other researchers.

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

The Data will be available and stored for ten years as per the University of Plymouth policy and then will be destroyed.

Data Sharing

How will you share the data?

Data will only be shared with the research supervisor. Analyzed data will be shared on reports and publication.

Are any restrictions on data sharing required?

None

Responsibilities and Resources

Who will be responsible for data management?

The principal investigator and research supervisor

What resources will you require to deliver your plan?

JISC online survey
University of Plymouth Onedrive