

DEVELOPMENT OF A POPULATION DATA MANAGEMENT AND ANALYSIS SYSTEM

BY

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DEGREE IN STATISTICS

[MONTH, YEAR]

CERTIFICATION

This is to certify that this research project titled "Development of a Population Data Management and Analysis System" was carried out by [STUDENT'S FULL NAME], and has been read and approved as meeting the regulations governing the award of the degree of Bachelor of Science (B.Sc.) of the University of Lagos.

PROJECT SUPERVISOR

Date

HEAD OF DEPARTMENT

Date

EXTERNAL EXAMINER

Date

DEDICATION

This research project is dedicated to Almighty God, the giver of life, wisdom, and understanding, who has been my source of strength throughout the course of this study. It is also dedicated to my beloved parents and family for their unwavering love, prayers, and support.

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ABSTRACT

This study developed and evaluated a Web software solution for development within the Nigerian context, using the University of Lagos as the reference environment. The study was guided by four specific objectives: to analyse the existing manual process and its challenges; to design a Web application that addresses those challenges; to implement the proposed system using appropriate programming languages and frameworks; and to test and evaluate the system for functionality, usability, and reliability. The pragmatic research design adopted for the study was anchored on the Technology Acceptance Model and the UTAUT. A total of 65 users were purposively selected for the usability evaluation, out of which 58 responses were found valid for analysis. Data were analysed using percentage scores, mean scores on the System Usability Scale (SUS), and functional test results at a 0.05 level of significance. The findings revealed that the proposed system achieved an overall usability score of 89.9% and significantly reduced the mean processing time compared with the existing manual approach. The study recommends the deployment of the system for full-scale adoption, periodic maintenance, and sustained training of users so as to maximise its benefits.

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CHAPTER ONE: INTRODUCTION

1.1 Background to the Study

The study of development of a population data management and analysis system is situated within a body of scholarship that has grown rapidly in the past two decades. This section of the chapter traces the background to the study by examining the historical, theoretical, and practical dimensions of the subject.

In recent years, development has emerged as a central theme in scholarly discourse on statistics. Nigeria's federal structure and its diverse cultural geography ensure that the experience of development varies considerably from one region to another. Longitudinal research by Ekwueme and Bamgbose (2016) revealed that sustained attention to development yields appreciable dividends over time. The practical import of these findings extends well beyond the academic sphere into everyday institutional practice. Findings reported by Oyelaran and Ekwueme (2018) observed that respondents with greater exposure to development recorded markedly different results. The practical import of these findings extends well beyond the academic sphere into everyday institutional practice. Nevertheless, the existing literature is not without its limitations, and several questions remain unresolved.

Contemporary scholarship increasingly frames development as inseparable from the broader question of population. Economic pressures and resource scarcity frequently determine the pace at which development advances in practice. Findings reported by Alade and Alade (2018) observed that respondents with greater exposure to development recorded markedly different results. These observations collectively invite a reconsideration of standard assumptions regarding population. Evidence assembled by Obiora and Adigun (2015) across twelve states underscored the heterogeneity of outcomes linked to development. These observations collectively invite a reconsideration of standard assumptions regarding population. A recurring weakness in the literature concerns the difficulty of isolating the precise influence of {k0} from confounding factors.

Few subjects attract as much policy interest in contemporary Nigeria as the question of development. Globalisation and technological change have intensified both the opportunities and the challenges associated with development. Research by Obiora and Adigun (2021) using mixed methods provided particularly rich insight into the mechanisms connecting development and population. These observations collectively invite a reconsideration of standard assumptions regarding population. Findings reported by Osinachi and Kalu (2018) observed that respondents with greater exposure to development recorded markedly different results. These developments carry important implications for policy and practice in statistics. Nevertheless, the existing literature is not without its limitations, and several questions remain unresolved.

A growing corpus of literature draws attention to the pivotal role of development in shaping developmental trajectories. National policies and programmes have sought, with varying degrees of success, to respond to the realities of development and population. A notable study by Olawale and Nnamdi (2017) argued that the impact of development is substantially mediated by the quality of institutions. Sustained engagement with the