

Manuscript No.: IJAR-59015

Title: Toward Digital Governance in Higher Education: Designing an Analytical Decision-Making Framework for the Selection of Master's and Doctoral Students in Guinea.

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity	✓			
Significance	✓			

Reviewer Name: Dr.Mithilesh kumar shukla

Reviewer's Comment for Publication:.

The paper presents an analytical decision-making framework to improve the selection of Master's and Doctoral students in Guinea, addressing inefficiencies in manual admission processes. It integrates Business Intelligence and machine learning techniques to predict academic success and enhance transparency, objectivity, and efficiency in admissions. The framework involves data warehousing, ETL processes, and predictive modeling, supported by interactive dashboards and scoring systems. Evaluation results demonstrate reduced processing times, higher candidate satisfaction, and lower error rates. The study highlights the importance of data quality, user training, and adaptation to local contexts, proposing scalability to other programs and institutions. This digital governance approach modernizes university administration, fosters evidence-based decision-making, and paves the way for improved strategic planning in Guinean higher education.

Recommendation: Accept after minor revision, give References with page no.

Detailed Reviewer's Report

STRENGTHS:

- 1- Addresses real challenges in Guinea's manual, inefficient, and opaque student selection processes.
- 2- It Combines quantitative data analysis with qualitative interviews for a comprehensive understanding.
- 3- The study Demonstrates reduced application processing time and increased operational efficiency.
- 4- It Uses dashboards and KPIs for real-time tracking and better decision support.
- 5- The study Supports modernization of university governance and promotes digital transformation in higher education.
- 6- The study Acknowledges potential algorithmic bias and incorporates data governance mechanisms to ensure fairness and ethical decision-making in the admissions process.

WEAKNESSES:

- 1- complete data, which may be limited in Guinea.
- 2- Results may not be fully applicable to other contexts or institutions without adaptation due to local specificities.
- 3- Limited Scope of Current Implementation.