

REVIEWER'S REPORT

Manuscript No.: IJAR-52040

Date: 02.06.2025

Title: INFLUENCE OF INTROSTAT ON THE MATHEMATICS PERFORMANCE OF SENIOR HIGH SCHOOL STUDENTS

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 P Karthikeyan

Date: 02.06.2025

Reviewer's Comment for Publication.

The manuscript requires removal of redundant sections, improved sentence clarity, and standardized table formatting. In-text citations and the reference list need to follow APA 7 guidelines, with corrected DOIs and styling. Justify statistical choices and streamline the conclusion to avoid repetition.

REVIEWER'S REPORT

Detailed Reviewer's Report

Reviewer Report

1. Originality: The study investigates the influence of the *Intro Stat* app on student performance in statistics—a timely and important topic in educational technology. The integration of the SAMR framework adds conceptual value. While the focus is region-specific, the practical implications are broadly relevant to digital learning in mathematics education.

2. Methodology: The research uses a quasi-experimental pretest-post-test design with appropriate statistical tools (Wilcoxon Signed-Rank Test, Kruskal-Wallis H-Test). These are correctly applied for non-parametric data. However, the manuscript lacks a clear justification for using non-parametric tests, and the **Methodology section is duplicated**, which affects readability. Streamlining this content and explaining assumptions would enhance credibility.

3. Structure and Clarity: The paper is logically structured and follows standard academic conventions. However, several paragraphs—especially in the Methodology and Results sections—are **repetitive or overly wordy**. There are also **redundant sections** that should be consolidated. Language clarity and sentence variation can be improved through concise rewriting and editing.

4. Data Presentation and Interpretation: Tables are informative but require **improvements in formatting**, such as uniform alignment, consistent headings, and clear labels. Interpretations are accurate but could be better connected to the study's objectives. There is also **repetition** in the findings and conclusions that should be reduced for clarity and focus.

5. Citations and References: In-text citations are inconsistently formatted, and several entries in the reference list include **duplicate or broken DOI links**. The references must be reviewed and formatted according to APA 7th edition guidelines, ensuring that all cited works are correctly matched and appropriately styled (e.g., italicized journal names, proper capitalization, etc.).

What Should Be Improved (Summary)

- Clarity and Language:** Some sentences are overly long and repetitive, especially in the Results and Discussion—revise for brevity and clarity.
- Tables and Formatting:** Ensure consistent alignment, font size, and bold table headers for clarity.
- In-Text Citations:** Standardize citation format and remove repeated or broken DOI links.
- Reference List:** Format all entries according to APA 7—fix title styles, spacing, and link consistency.
- Statistical Justification:** Explain why non-parametric tests were chosen (e.g., violations of normality)