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Paper: **“Determinants of the Adoption of Digital Technologies in Pineapple Production in Southern Benin”**

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Peer review:

Reviewer 1: Imad Ait Lhassan
Abdelmalek Essaâdi University, Morocco

Reviewer 2: Nirmal Kumar Betchoo
University of Mascareignes, Mauritius

Reviewer A:
Recommendation: Accept Submission

The TITLE is clear and it is adequate to the content of the article.

The title "Determinants of the adoption of digital technologies in pineapple production in southern Benin" is clear and concise. It effectively indicates the focus of the study, which is identifying the factors influencing the adoption of digital technologies specifically in pineapple farming within southern Benin.

The ABSTRACT clearly presents objectives, methods, results, and conclusions.

The abstract clearly presents the objectives (to analyze the adoption of digital agriculture practices and their determinants in Benin), the methods (using representative data from surveys of 400 pineapple producers and a bivariate probit model), the results (adoption is influenced by sociodemographic, economic variables, access to credit and advice, and perceptions), and the conclusions (policy implications such as facilitating access to credit and advisory services).

There are a few grammatical errors and spelling mistakes in this article.

Errors are not found as it seems that the text has been corrected. It is a long text however with 11,000 words while errors in grammar and spelling are not seen.

The study METHODS are explained clearly.

The study method and sampling area are generally clear and well-described. The description provides specific details about the geographical location, the rationale for selecting the area, the sample size calculation, and the sampling procedure.

The results are clear and do not contain errors.

The results are generally clear, logically presented, and free from major errors. The p-values are extensively included and a table could be better here. On the one hand, listing of factors and the p-value. They look to be a bit mixed up.

The CONCLUSION or summary is accurate and supported by the content.

The conclusion provides a comprehensive basis for policy actions aimed at accelerating digital transformation in agriculture, which is aligned with the study's findings.

It advocates for integrated and targeted strategies that consider both socio-economic and perceptual factors influencing adoption behaviors.

The list of REFERENCES is comprehensive and appropriate.

OK, for references.

Page 11 Figure to be labelled.

Check if length of 11000 words is acceptable or not.

Please rate the TITLE of this paper.

[Poor] 1-5 [Excellent]

4

Please rate the ABSTRACT of this paper.

[Poor] 1-5 [Excellent]

4

Please rate the LANGUAGE of this paper.

[Poor] 1-5 [Excellent]

5

Please rate the METHODS of this paper.

[Poor] 1-5 [Excellent]

4

Please rate the RESULTS of this paper.

[Poor] 1-5 [Excellent]

4

Please rate the CONCLUSION of this paper.

[Poor] 1-5 [Excellent]

4

Please rate the REFERENCES of this paper.

[Poor] 1-5 [Excellent]

4

Overall Recommendation!!!

Accepted, minor revision needed

Comments and Suggestions to the Author(s):

Could simplify the paper.
A bit more concise realting to findings.
Labelling of one figure is needed.
A slightly improved presentation is preferable.
Reduce the numerous p-values and synthesise them.

Reviewer B:
Recommendation: Revisions Required

The TITLE is clear and it is adequate to the content of the article.

The title is clear, concise, and accurately reflects the objective, study area, and main variables investigated.

The ABSTRACT clearly presents objectives, methods, results, and conclusions.

The abstract provides a clear and concise summary of the study, including its objectives, methodology, key findings, and conclusions.

There are a few grammatical errors and spelling mistakes in this article.

Several grammatical errors, awkward sentence constructions, and repetitive expressions are present. Some paragraphs require careful English proofreading by a native speaker or professional editor.

The study METHODS are explained clearly.

The methodology is generally well described. Sampling, data collection, PCA and Bivariate Probit model are clearly presented. However, the methodological section is rather lengthy and contains some repeated explanations, especially regarding the justification of the bivariate probit model.

The results are clear and do not contain errors.

Results are logically presented and consistent with the objectives. Statistical analyses appear appropriate. Nevertheless, some tables and interpretations could be more concise, and the discussion could better emphasize the practical significance of certain findings.

The CONCLUSION or summary is accurate and supported by the content.

The conclusions are supported by the empirical findings and provide relevant policy implications. The limitations of the study and future research directions could be discussed more explicitly.

The list of REFERENCES is comprehensive and appropriate.

The references are extensive, relevant, and include many recent studies (2023–2025). However, formatting should be checked carefully for consistency according to the journal style, and a few older references could be replaced with more recent literature where appropriate.

Please rate the TITLE of this paper.

[Poor] 1-5 [Excellent]

5

Please rate the ABSTRACT of this paper.

[Poor] 1-5 [Excellent]

5

Please rate the LANGUAGE of this paper.

[Poor] 1-5 [Excellent]

4

Please rate the METHODS of this paper.

[Poor] 1-5 [Excellent]

4

Please rate the RESULTS of this paper.

[Poor] 1-5 [Excellent]

4

Please rate the CONCLUSION of this paper.

[Poor] 1-5 [Excellent]

4

Please rate the REFERENCES of this paper.

[Poor] 1-5 [Excellent]

4

Overall Recommendation!!!

Accepted, minor revision needed

Comments and Suggestions to the Author(s):
