

Review Form 1.7

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_113089
Title of the Manuscript:	APPLICATION OF LOGISTIC REGRESSION IN MODELING SELF HELP GROUPS' IMPACT ON LIVELIHOODS IN MURANG'A EAST SUB-COUNTY
Type of the Article	Original Research Article

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PART 1: Review Comments

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p>	<p>The manuscript offers a comprehensive overview of the research study, making a valuable contribution to the scientific community. Positive aspects include a clear presentation of results using tables, detailed statistical analysis, comprehensive model evaluation metrics, practical implications in the conclusion, and forward-looking recommendations for future studies. However, there are areas for improvement, such as ensuring consistency in variable names for clarity, providing a more in-depth discussion of the social and economic implications of demographic factors, offering additional contextualization of results in the local setting, explicitly acknowledging limitations faced during the research process, providing more specific recommendations for stakeholders, and conducting a thorough review for grammatical errors and formatting consistency. Addressing these aspects would enhance the manuscript's quality and impact within the scientific community.</p> <p>The topic lacks some level of clarity and has traces of punctuation errors. I suggest "Examining the Impact of Self-Help Groups on Income Generation: A Logistic Regression Approach in Murang'a East Sub-County"</p> <p>The abstract offers a general overview of the research study but lacks specific details to enhance clarity and comprehensiveness. To improve, the author should provide information on the sample size and demographics, specifying the total number of self-help group (SHG) members participating, along with demographic details like age, gender, and socio-economic background. The questionnaire design and methodology should be described, highlighting structured questionnaires' structure, content, and any validated scales or specific questions used for assessing wealth status, saving habits, credit services access, and asset acquisition. Additionally, the abstract should indicate the data collection period, response rate to questionnaires, details on data analysis methods, including statistical tests, models, or software used, and acknowledge any limitations or constraints faced during the research, such as selection bias or questionnaire design issues. Ethical considerations and measures taken to ensure participant well-being and privacy should be briefly mentioned. The abstract would benefit from incorporating recommendations based on the findings, providing a more comprehensive and transparent overview for readers to better evaluate the study's methods and findings.</p> <p>Overall, the manuscript provides a comprehensive analysis of the impact of self-help groups on the livelihoods of rural areas in Kenya, utilizing machine learning techniques, specifically logistic regression. The structure of the manuscript appears appropriate, covering key sections such as Introduction, Literature Review, Methodology, Results and Discussions, and Conclusion and Recommendation.</p> <p>The manuscript displays a robust foundation, bolstered by detailed methodology and results sections, contributing significantly to the scientific rigor of the study. With refinements in the abstract, discussion, and recommendations, the research could substantially contribute to understanding the impact of Self-Help Groups (SHGs) on poverty reduction in Kenya. Strengths include a clear introduction providing context, a comprehensive literature review, a thorough methodology explaining the use of logistic regression, and a detailed presentation of results with clear breakdowns and metrics for model performance. Areas for improvement involve enhancing the abstract's clarity and conciseness, strengthening the discussion section by relating findings to existing literature and policy implications, providing more specific recommendations, ensuring</p>	

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<p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>consistent formatting, and addressing language and grammar issues throughout the manuscript. The inclusion of visual aids, especially in explaining the logistic regression model, could improve overall readability.</p> <p>The reference list encompasses a diverse range of sources pertaining to self-help groups, poverty reduction, and economic development. However, ensuring accuracy and consistency in citation details is crucial. Consistently applying the same citation style, addressing variations (e.g., periods after author initials, inconsistent capitalization) is recommended. Additionally, attention should be given to eliminating duplicates, as seen with Reference [4]. Verify the correctness and uniqueness of each reference. Confirm the completeness of citations, noting that Reference [6] lacks page numbers, which are typically essential for specific citations. To enhance the currency of your literature review, consider incorporating the most recent research in your field. Moreover, diversify your (author) sources by including various publication types, such as academic articles, books, and reports, to bolster the comprehensiveness of your literature review.</p>	
<p><u>Minor</u> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>While the article demonstrates a generally strong command of English, there are some areas where language and grammar refinement could enhance the overall quality of scholarly communication. Attention to grammar and punctuation is needed in certain sections, and consistency in language use, especially in variable names and citations, would contribute to clarity. Additionally, a thorough proofreading to eliminate any remaining typographical errors is advisable. Overall, addressing these language-related aspects will ensure that the article meets the high standards expected in scholarly communications.</p>	
<p><u>Optional/General</u> comments</p>	<p>The research presents a comprehensive and valuable contribution to the understanding of Self-Help Groups' impact on poverty reduction in Kenya. While the manuscript is well-structured with clear strengths in its introduction, literature review, methodology, and results sections, there is room for improvement in the abstract's clarity, the depth of discussion, and specificity in recommendations. Attention to consistent language use, contextualization of results, and acknowledgment of limitations would enhance the overall quality. Additionally, a thorough proofreading is recommended for grammatical issues and formatting consistency.</p>	

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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