

### Review Form 3

Journal Name:	<a href="#">Asian Journal of Probability and Statistics</a>
Manuscript Number:	Ms_AJPAS_124091
Title of the Manuscript:	Developing a Hybrid ARIMA-XGBOOST Model for Analysing Mobile Money Transaction Data in Kenya.
Type of the Article	

#### **General guidelines for the Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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**PART 1: Review Comments**

<b><u>Compulsory</u></b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p><b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>This manuscript presents a promising hybrid ARIMA model for analyzing mobile money transaction data, demonstrating improved forecasting accuracy. The authors' approach combines traditional ARIMA with machine learning algorithms, effectively capturing complex patterns in transaction data.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p><b>Yes</b></p>	
<p><b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b></p>	<p><b>Abstract may be more precise. It can be shortly described in a paragraph. Analysis and conclusions may be avoided in the abstract.</b></p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p><b>Yes</b></p>	
<p><b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b></p>	<p><b>This manuscript gives a novel application of hybrid ARIMA to mobile money transactions. Comparison with other state-of-the-art forecasting models would strengthen the study. Additional analysis on handling seasonality and anomalies in transaction data would enhance the model's robustness.</b></p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p><b>Suggested to add more references.</b></p>	
<p><b><u>Minor</u> REVISION comments</b></p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p><b>Yes .</b></p>	
<p><b><u>Optional/General</u> comments</b></p>	<p><b>In general, I believe this manuscript merits publication. Finally, I recommend the acceptance of this paper after including the Comparison with other forecasting models.</b></p>	

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#### **PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

#### **Reviewer Details:**

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