



SDI Review Form 1.6

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_50481
Title of the Manuscript:	Application seasonal autoregressive moving average models to analysis and forecasting of Time Series Monthly Rainfall Patterns in Embu County, Kenya
Type of the Article	Original Research Article

General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

PART 1: Review Comments

	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)
Compulsory REVISION comments		
Minor REVISION comments The manuscript need minor revision. The author needs to visit the highlighted areas and address as appropriate.	<ol style="list-style-type: none"> I. Highlighted sentence in page 5 needs to be reconstructed. II. Mathematical expression of MAPE should be provided III. Justification for model selection using AIC at the expense of AICc and BIC when the criteria select different models should be provided. Many authors indicated that when AIC and BIC select different models, BIC decision must be superior. See Okunlola and Folorunso (2015) page 104 titled Modelling Rainfall Series in Geopolitical Zones of Nigeria 	
Optional/General comments	The author succinctly discussed seasonal ARIMA model with application to monthly rainfall data. He displaced sufficient knowledge of the subject matter and theories underlying the adopted method. Subject to minor revision, as indicated above, the article will be outstanding.	

PART 2:

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

Reviewer Details:

Name:	<i>Okunlola, Oluyemi Adewole</i>
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