



SDI Review Form 1.6

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_45035
Title of the Manuscript:	Modeling Quarterly Agricultural Gross Domestic Product Data of Kenyan Economy using Time Series
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:

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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	1. The topic should be change because the authors are just applying the existing model to their data. 2. The introduction is not adequately written. Just 3 citation and reference, that is too small. Authors should explain this model application globally, Africa and Kenya context. 3. Time series models should be under methods and materials 4. The aim of this study is not well stated. 5. Authors mentioned January 2000 to January 2014 but in the figures, it ends in 2011. 6. What is the difference between figure 1 and 2? 7. Figure 3 does not show a seasonality trend. It looks like irregular trend. 8. ACF and PACF are not used for model identification. They are used to identify the order of AR and MA terms in ARIMA model 9. There are discussion made in this manuscript 10. The conclusion does not reflect what was analysis and stated in the results section.	1. Changed the topic to read 'Modeling Agricultural Gross Domestic Product of Kenyan Economy using Time Series'. 2. Added some introduction on page 2. The paragraph beginning with 'techniques', where countries like Ghana, Pakistan and Bangladesh are captured. 3. Moved the time series models to methods and materials. 4. Stated the aim of study well. Page 2, last paragraph. 5. The data from 2000 to 2011 is used for fitting the model while the remaining data is used to check the adequacy of the model as stated on page 5, second paragraph line 8 and also shown in results page 12, Figure 9. 6. The difference between Figure 1 and 2 is that figure is just the plot of the series of the data while Figure 2 shows the decomposed series into its constituent components namely the observed series itself, the trend, seasonal and random components. 7. Figure 3 shows the stationary series (that is after differencing). 8. Indicated that ACF and PACF are used to identify order of AR and MA (page 7 line 2 under model identification). 9. ok 10. Included what the analysis was in the conclusion (page 12).
Minor REVISION comments		
Optional/General comments		

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?	(If yes, Kindly please write down the ethical issues here in details)	