

## Review Form 1.6

Journal Name:	<a href="#">Asian Journal of Probability and Statistics</a>
Manuscript Number:	Ms_AJPAS_76820
Title of the Manuscript:	MODELING CORONAVIRUS PANDEMIC USING UNIVARIATE AND MULTIVARIATE MODELS: THE NIGERIAN PERSPECTIVE
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://peerreviewcentral.com/page/manuscript-withdrawal-policy>)

### 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)
<b>Compulsory</b> REVISION comments	<ol style="list-style-type: none"><li>1. From the plots of ACF and PACF, the author(s) has/have a suggestion of a particular model. Why and how then do they have various models to be compared?</li><li>2. These data are frequency or count data. Are they suitable for ARIMA and ARIMAX? Give reasons.</li><li>3. Relate the methodology to your work – variables and data.</li><li>4. If your data are daily sets of data, stipulate or state so.</li><li>5. State your variables. What variables are you using?</li><li>6. What are your exogenous variables?</li><li>7. Define the parameters used in the models.</li></ol>	<ol style="list-style-type: none"><li>1. ACF and PACF are used to check the order MA and AR terms.</li><li>2. They are suitable, this is because ARIMA is used for a single variable while ARIMAX is used for more than one variable.</li><li>3. The data and the method of data collection, unit root test, model identification and specification were briefly discussed in the methodology.</li><li>4. The data is a daily data.</li><li>5. The variables are; total confirmed cases, discharged and deaths.</li><li>6. Death is considered as an exogeneous variable.</li><li>7. The parameters used in the models are the autoregressive parameter, P and the moving average parameter, q.</li></ol>
<b>Minor</b> REVISION comments		
<b>Optional/General</b> 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)	