

## 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 based on '**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. There are many methods available for time series forecasting, the authors should discuss the motivation/benefits for their particular choice of the ARIMA model.</li><li>2. Most of the figures are not described in the paper, specifically, Figures 4.3 and 4.4 should be discussed in detail.</li></ol>	<ol style="list-style-type: none"><li>1. The authors' choice of the ARIMA model is due to the fact that two models were considered simultaneously, where one of the model discussed is univariate. Hence the choice of ARIMA.</li><li>2. Figures 4.3 and 4.4 are discribed under table 4.4.</li></ol>
<b>Minor</b> REVISION comments	ARIMA with exogenous variables has been chosen as the best-fitted model, however, there is no discussion on these exogenous variables seen in the paper.	It has been discussed in the conclusion of the paper.
<b>Optional/General</b> comments	This paper analyzes the spread of the Coronavirus pandemic in Nigeria, using univariate and multivariate time series forecasting models, namely, ARIMA and ARIMAX models respectively, and the best-fitted model has been selected using AIC value.	

### 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)	