

**Review Form 1.6**

Journal Name:	<b>Asian Journal of Probability and Statistics</b>
Manuscript Number:	<b>Ms_AJPAS_94438</b>
Title of the Manuscript:	<b>EVALUATION OF THE PERFORMANCE OF AUTOREGRESSIVE MOVING AVERAGE (ARIMA) AND ARTIFICIAL NEURAL NETWORKS (ANNS) MODELS USING DAILY CONFIRMED CASES OF COVID-19 IN NIGERIA</b>
Type of the 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:

<https://www.journalajpas.com/index.php/AJPAS/editorial-policy> )

**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>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>
<b>Compulsory</b> REVISION comments	<p><b>Introduction</b> It is advised for author to include one or two contribution of this study, i.e. which it is concern to help particular institution, for example: "the prediction of time series data in medical and epidemiological could help government of Nigeria in manage the out-break of dangerous virus in future" - - - Please recheck whether ARIMA is a linear model or not. As for my knowledge, we do not called ARIMA as linear model because it is constructed with linear component and non-linear component. So, please do recheck whether it is suitable term to put "linear" here.</p> <p>Additional, we knew that in real world, the sample data mostly has non-linear patterns, so, my suggestion, author should elaborate the idea based on non-linear data clearly and theoretically.</p>	
<b>Minor</b> REVISION comments	<p><b>Introduction</b> What techniques for soft computing? My suggestion, firstly, author should tell one or two techniques, or directly state ANN as one of soft computing technique. Then, author may continue with "Statistical techniques include among others,..."</p>	
<b>Optional/General</b> comments	<p>Parameter p and q need to be written in italic form</p> <p><b>3.2.3 ARIMA Model Building</b> "ARIMA Model Building" is not suitable term. Because ARIMA is already designed and build. My suggestion:  "ARIMA Modeling Procedure"</p>	

**PART 2:**

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

**Review Form 1.6**

**Reviewer Details:**

Name:	<b>Nurul Hila binti Zainuddin</b>
Department, University & Country	<b>Universiti Pendidikan Sultan Idris, Malaysia</b>