SDI Review Form 1.6

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	**Ms_JAMCS_56265**
Title of the Manuscript:	**Stochastic Modeling and Prediction of the COVID-19 Spread in 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)

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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. Change the title: "Poisson regression model to predict the COVID19 transmission in Kenya" or anything more suitable. 2. State with data analytic justification why a multiple linear model is appropriate. Authors have not justified this. 3. Authors have not used SIR or SEIR modelling framework, instead a statistical model is proposed. There is no need to discuss mathematical modelling aspects here as long as those theories are no used. 4. Remove all R outputs (screen shots). Present them in a more reasonable and justifiable way. 5. Regression Model assumptions have not been validated. 6. What about goodness of fit? Please discuss them otherwise how authors check the suitability. 7. The model outcomes should be validated with actual reported cases in Kenya for the period. 8. Need to add more references. 9. According to authors, it is clear that the government has already taken into action significant control measures to limit the transmission, however the authors have not considered them into their regression model. Thus, all the predictions are not valid. Therefore, it is strongly suggested to address this into the model then only the model based results would be useful to public health officials.	
Minor REVISION comments	Please go through the manuscript again and correct all the English language mistakes.	
Optional/General comments	Refer the manuscript.	

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)*	

Reviewer Details:

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