

Review Form 1.7

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_95276
Title of the Manuscript:	FUNCTIONAL DATA ANALYSIS ON GLOBAL COVID-19 DATA
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:

(<https://www.journalajpas.com/index.php/AJPAS/editorial-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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>The authors first interpolate the daily case of COVID-19 using Spline method. Then the entire data set is divided into clusters. This is followed by Multinomial Logistic Regression using clusters as independent variable. Six health indicators are taken into consideration in this modelling. How is this work different from existing body of work? What are the major conclusions?</p> <p>The title is suitable. The abstract should focus on the mathematics used in this paper and also on major conclusions.</p> <p>Yes Yes</p> <p>Please add following references, with the text. Detailed mathematical analysis of COVID-19 from the perspective of limited and scarce data of the developing world has been done by Jyoti U. Devkota.</p> <ol style="list-style-type: none"> 1. Vector autoregression in forecasting COVID-19 underreporting - Nepal as a case study, Journal of Nepal Mathematical Society, NepJol Double Star Journal, December 2022. DOI: https://doi.org/10.3126/jnms.v5i2.50016 . 2. Forecasting deterioration of mental health during COVID-19 pandemic and lockdown - examples from Nepal, Global Journal of Infectious Diseases and Immune Therapies, PUBTEXTO, Volume 4, Issue 3, October 2022. LINK: https://www.pubtexto.com/pdf/?forecasting-deterioration-of-mental-health-during-covid19-pandemic-and-lockdown--examples-from-nepal 	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	Yes	
<p>Optional/General comments</p>	The significance of this work and significant conclusions made should be discussed.	

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)
<p>Are there ethical issues in this manuscript?</p>	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

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