

Review of: "Quantile regression for identifying latent structures in COVID-19 pandemic – Examples from Nepal"

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Potential competing interests: No potential competing interests to declare.

Review of article

Quantile regression for identifying latent structures in COVID-19 pandemic – Examples from Nepal

This paper uses quantile regression models to model the change of trend for daily infected due to COVID-19 pandemic for four countries.

General comments:

1. Abstract is not written well, not explaining the aim and novel work of the paper. Also, it needs to illustrate the main results and conclusion.
2. Keywords do not reflect the importance of paper.
3. Introduction must be improved. First, it should start with general problem of COVID-19. Second, explain the problem in different countries. Then, show why your paper is important, what is the original work has done in this paper which have not discussed before. Why you use the methods that you have used no other methods?
4. In the data section, variables should be explained properly. What do they mean? What is the meaning of **underreporting**? Why is the variable Phase divided differently in different countries?
5. In methodology you should explain what is the criteria of comparing the models and illustrate them?
6. Results and Discussion section should be organised well. Paragraphs and sentences must be written in academic writing way to illustrate and justify the results. Results should be interpreted clearly.
7. Some figures are not clear (the resolution must be better) ex. Fig. 12 and 13.
8. Conclusion section should illustrate the importance of work, the main results, strengths and limitations of study and the overall conclusions for the study with recommendations.
9. Paper must be written in proper **academic English**. At this stage, writing is very bad.
10. Reference: Write them in APA style.
11. There are some references not trusted, ex. general websites like BBC news. Academic research must include trusted references to be accepted, ex. original published papers, books and trusted websites such as World Health organization (WHO).

