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.

First, I'd like to thank the author for his effort in studying such an interesting topic. The article can be read easily. The author depended on lots of graphs, which would help the reader engage more in the study.

Second, my comments upon reading are as follows:

1. Writing the inline citation should be in one of the well-known formats, for example, in the 2nd page in the article's PDF 4th paragraph 2nd line, Wang et al. is written without the year of the publication if the method is APA.
2. The references are numbered at the back, although the inline citation is not used as numbers. So, unify the method of inline citations.
3. When comparing between figures the scales should be the same so as we can compare easily and accurately that would be for example in Figure 1, Figure 2,…
4. I didn't understand the definition you provided for the variable Ratio 2 as the “influence of total deaths on total infections”.
5. Also, I didn't quite get the idea behind the intrinsic effect modelled by the intercept in both model I and II.
6. In paragraph 2 on page 18, you mentioned that the lower quantile values are found at the right tail.
7. I think there are many graphs that need not be shown, it's enough to give a conclusion about them, figures 10-14.
8. In my opinion, the author should give more details about the methodology used and how the data were manipulated. To be clearer, the article didn't clarify how the quantile regression was used with time series data from different countries in model II. Moreover, the software used was never mentioned in the article.
9. If the author was interested in the effect of vaccination on the daily infected, that would have been given the focus from the beginning. Also, a change-point test should have been made to understand whether the models should be separated before and after vaccination or not.