

# Review of: "SARS-CoV-2 Virion: A Humane Debacle - An Analytical Approach"

Dattaprasad A. Torse<sup>1</sup>

<sup>1</sup> K L E Society's College of Engineering and Technology

**Potential competing interests:** No potential competing interests to declare.

Authors present a mortality risk prediction model for COVID-19 based on ML algorithms on the Kaggle datasets. I have some specific remarks/questions on this work. There are a few points that can be addressed to improve the manuscript.

1. The proposed model introduced needs in a block diagram form with explanation in a more informative way.
2. It is not clear why the mentioned datasets are used for the study? A detailed explanation of statistical study is possible with in-depth knowledge of dataset selection.
3. A more insightful way to explain the algorithm with proper references is expected as it is a basic building block of this paper.
4. The authors are advised to comment on specific reasons on the comments they present in the conclusion. The conclusion needs revision.
5. Why comparison of various ML models is done in Table II? Authors are advised to give clear reasons.
6. Authors are advised to comment on the algorithm speed as implementation of optimised algorithm on a large database using dedicated hardware requires an analysis of computation speed of the algorithm.

In my opinion, the authors are advised to revise the manuscript and resubmit.