

Review of: "A Multi-factor Model of COVID-19 Epidemic in California"

Goutam Saha¹

¹ University of Dhaka

Potential competing interests: No potential competing interests to declare.

Comments:

1. This is a preprint version, so it's clear that it's not in enough standard.
2. The present form lacks quality as well as depth.
3. The famous Kermack-McKendrick differential equation model defined three not four compartments. These are S, I, R.
4. Mathematical modeling and statistical and machine learning modeling are three different approaches. The author used the second one for this research. If your focus is on the second one, then it's better to bring more literature on that.
5. The author considered 5 independent variables: population, population density, family income, Gini coefficient, and land area (size) of each county. Why do you consider only these factors, need a strong justification? Why not air quality, environmental data included in this study?
6. How these five factors are the most influential factors and related to COVID-19?
7. Abstract is not written properly. It should have background, aims, methods, results, conclusion, and limitations.
8. Author focused only on correlations, but complete statistical approaches are not considered.
9. The authors' definition of the Multi-factor Model is not strong enough to agree.
10. Author's mentioned it's a novel approach, but if you have data and you need to analyze data in a proper way. Only based on correlations, one cannot make a constructive conclusion.
11. Overall, I think, this research did not show realistic and concrete evidence to agree.