

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

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Potential competing interests: No potential competing interests to declare.

A Multi-factor Model of COVID-19 Epidemic in California

I have reviewed the manuscript and I have found it to be generally novel and interesting. However the lack of referencing creates a poor case for the manuscript as it lacks contextualization. I have the following comments:

Major comments:

- The manuscript is very poorly referenced (only four references) and lacks discussion that would contextualize it among other similar works.

Minor comments:

- The figures are hard to interpret without a legend and the text is scarcely readable.
- Instead of single factor or variables considered at one time, the authors could just state that this was a bivariate analysis.
- The authors need to explain what they mean by obeying a normal distribution?
- It becomes easier to follow the modeling approach when the equations are labeled e.g equation 1, 2 etc.
- Why is the denominator on the equation on duration a sum of 2 factors instead of five as the authors stated that they used five factors?
- Figure 5 could still read better when the right side is up, there is no reason to tilt the graph.