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.

In this article, author develop a multi-factor model to estimate the cumulative number of cases and duration of the epidemic. Different factors which included in the model are population size, population density, family income, Gini coefficient, and area of the affected state, respectively. In page 5, in the duration equation should be 2765 x + 302.5. In Page 5, In general data of xi's are available for different time scale. It is unclear how author used this data in a same time period. In Figure 4, duration predictor equation shown is different from the duration predictor equation provided in Page 5. In Table III, it is unclear why the top half countries have relatively low correlation with population density and Gini coefficient in compare to bottom half countries. A proper epidemiological justification is needed to explain this fact.