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.

The authors used multi-factor model to describe the spread of COVID-19 across the 58 counties of California from March 2020 to June 2023. The model provides estimates of cumulative cases and duration of the epidemic versus 5 independent variables. The independent variables are the following factors: population, population density, family income, Gini coefficient, and land area (size) of each county.

The followings are some comments and suggestions:

1.According to the correlation coefficients for cumulative cases and duration are listed in Table II, there are some typos in formulas of I(x) and D(x) on page 5.

2.On page 5, there maybe lost x in the equation of Duration.