# Review of: "A Mathematical Characterisation of COVID-19 in Mauritius"

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Generally, the paper is contributing a COVID-19 study in Mauritius, with some existing mathematical tools. There are some comments here to improve the quality of the paper as follows:

1. The contribution is limited. The research direction in using logistic function and reproduction numbers can be found in the existing studies.

2. Since the model does not cater time series, the author does not need to specify that the data is a time series, although it is made known that the COVID-19 data is a time series data.

3. However, the suggestions for government actions are useful and constructive. It is good to interpret the parameters with government actions.

4. The model for second wave: the constant parameter. I suggest estimating the parameter based on the data. I am not sure how does the value of 1204 comes from. Is this value justifiable? It is fixed based on a certain criterion. In other word to ask, is this value applicable to other duration/wave of COVID-19 in the future?

5. How does the Section 6 work? The crude fatality rate and mortality rate. I suppose there are some insurance policies/premiums to be involved at the first glance. What is the contribution of this Section for the whole study?