

Reviewer Report

Title: Evaluating Short-term Forecasting of COVID-19 Cases among Different Epidemiological Models under a Bayesian Framework

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Reviewer Comments to Author:

The authors present a solid case for forecasting of COVID-19 data. An important and challenging issue for decision makers in government, academia and medical establishments all over the world.

As such the paper merits publication as it might help the over all discussion in present times. Their predictive models and the discussion is enlightening and well within the standard classical approaches. Their exposition of calibration of stochastic growth models vis a vis and a generic, albeit not detailed, dynamical system approach of the standard SIR model as well as the Bayesian framework of choice for forecasting is not novel, but it holds some interest, nevertheless.

Rightfully they note that "none of the models proved to be golden standards across all the regions" and I should add also across time scales where definitely a second and possibly a third wave have already been observed to develop.

Although the authors briefly mention this in their paper I believe they should make it clearer why there is such a limitation for the models and their variants discussed herein.

The paper has also the extra merit of offering to the public the source code and the interface that the authors developed.

Which by its valiant virtue of being free and open source can accelerate winning this battle against the death-roll due to COVID-19 epidemic.

Well done and congratulations to the authors.

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