

Response to Review-Report-Section-II-Ch-03-2.

A section with the conclusions is needed,

We added this section.

The effect of the density of population needs some discussion

We added relevant sentences in the 1st paragraph of the Introduction.

In page 4 is stated that "the epidemic has a relatively short period" I presume that they mean that the epidemic has a relative short time duration but it should be made clear to what is relatively short.

We changed this paragraph. See end of 1st paragraph in Section 3.

Top of page 6. It is necessary to quantify the agreement.

See new sentences at the beginning of the 3rd paragraph of Section 4.1.

In page 6 how realistic is to assume $R < 1$. Quote cases discussed.

See new sentences at the end of the 3rd paragraph of Section 4.1.

In page 6 and following ones the insert in the figures does seem consistent. Something seems missing..

We added a missing sentence about Figure 5. See 4th paragraph of Section 4.1.

In page 17 Please specify what means " we refer to."

We clarified a sentence at the end of the appendix.

Concerning Section 6. The paper adds to theoretical cases which we may not rule out as possible which are infinite. I would make this section shorter. This would add to the significance of the first part of the paper.

Section 6 is an Appendix where the ABM method is outlined in order that the paper is self-contained. There are no theoretical cases analyzed in Section 6, so we keep this Appendix as it is essential.

The reference [5] for the Caputo Fractional Derivative is fine as is the reference [12] but I would add Kochubei A.N., General fractional calculus evolution equations and renewal processes, Integral Equations of fractional order, theory, 2011, 71, 585-600, as well the reference to the 1967 Caputo original paper

Caputo, M. (1967). Linear models of dissipation whose Q is almost frequency independent, Part II, Geophys. J. R. Astr. Soc. 13, 529-539. [Reprinted in Fract. Calc. Appl. Anal. 11, 414 (2008)]

These two references were included.

Finally we want to remark that all data was updated, so the analysis is done until September 22th, 2020 (Section 5 is now Subsection 4.2). Besides, we added a new Case 4, considering 30 % more casualties to date, taking into account that the reported number of deceased people could have been underestimated due to delays in the upload of official data.