

***Interactive comment on “Evaluating the use of Facebook’s Prophet model v0.6 in forecasting concentrations of NO<sub>2</sub> at single sites across the UK and in response to the COVID-19 lockdown in Manchester, England” by David Topping et al.***

**David Topping et al.**

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Dear colleague

Please find attached my response to all points raised in the supplement PDF. In responding to these requests for more clarity, it became apparent that the reference to a need for more detailed investigation at individual sites should be brought forward. With this in mind the emphasis on the sites in Manchester, for which we have both air quality and traffic data, has been magnified. This requires a slight restructure in

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how the results are presented, but also crucially the workflow and use of Prophet as a contribution to existing methods.

Please also note the supplement to this comment:

<https://gmd.copernicus.org/preprints/gmd-2020-270/gmd-2020-270-AC1-supplement.pdf>

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Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2020-270>, 2020.

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