

Author's response for "Seismic noise variability as an indicator of urban mobility during COVID-19 pandemic in Santiago Metropolitan Region, Chile"

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Firstly, we would like to thank to Raphael De Plaen (topical Editor) as well as the reviewers for their fruitful comments and suggestions that they made to improve our work.

In the accepted manuscript we made a few changes listed here:

1. Instead of an Appendix section at the end of our manuscript, we decided to build a Supplementary Material in a *.pdf file.
2. Due to point 1, we changed all the labels AX by SX in our manuscript (including tables and figures). For example, Table A1 now is labelled as Table S1.
3. In the discussion section, we re-wrote the sentence in L209 by:

"Also, Cuadrado et al. (2020) suggest that small-area lockdowns and reductions in mobility can reduce the transmission of the virus but their impact was smaller than the early closures of schools, universities and other educational centres."

4. In the discussion section also, we separated in a different paragraph since L216 because of the long extension of that paragraph.
5. Finally, we added the last sentence in L221 to better finalize our discussions:

"However, according to Canals et al. (2020), a relaxing of these interventions could rise the infections and saturate the health systems."

On behalf of the authors,

Javier Ojeda