Dear Amanda,

**(1) About sound, you have "before" as your contrast in your summary table, could you use relevel to make the COVID-19 treatment the contrast?  OR you can put an "aa\_" in front of before.  This will put before at the reference (just because of the alphabet order).**

Solved. Attached files: results\_summary\_urban\_noise.txt and urban\_noise.R

**(2) I am assuming you measured sound over time....so just wondering how you accounted for temporal autocorrelation etc.**

Indeed, the data correspond to a time scale, daily noise data (day-evening-night) throughout the study period. Temporal autocorrelation, in principle, is the reason why we have used method 7 proposed in the guide (temporal autocorrelation with random effects). So, we have solved it in the way that is explained and detailed in the guide.

**(3) sound is in decibels, so on the log scale, (i) did you look at the fit of model to see if the it fit the data well, and (ii) do we need to backtransform to calculate % change - i.e., the % change in sound in 2020.**

dBA is certainly a power level measured on a logarithmic scale. The logarithmic scale is however, the way relative noise is perceived. So not transforming it seems to be the natural way to make calculations with it.

You can use the following to calculate the change (%):

average(2015-2019) – average(2020)

(average(2015-2019) – average(2020)) / (average(2020)) \* 100

Change (%): (-3.29972/61.58556) \* 100 = -5.357%

**(4) same for chlorophyll, can the during COVID-19 treatment (2020) be the contrast, rather than before; and I will also need to calculate the % change.**

Solved. Attached files: results\_summary\_chla.txt and chlorophil.R

You can use the following to calculate the change (%):

average(2015-2019) – average(2020)

(average(2015-2019) – average(2020)) / (average(2020)) \* 100

Change (%): (-0.0048140/0.3234672) \* 100 = -1.488%

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Other things:

About “results transcribed from metadata from screenshots”:

Urban Noise

1. I sent a table with the longitudes and latitudes of each monitoring station. It will be used?

2. Check and modify the entries "coefficient", "error", "t\_value", "effect\_size" and "Degrees\_Freedom" according to the attached file.

Chla

1. Check and modify the entries "coefficient", "error", "t\_value", "effect\_size" and "Degrees\_Freedom" according to the attached file.

About “final checklist data synthesis paper”:

1. I assume that my colleague Christian Requena-Mesa will be added as an author, right?