

We thank the editor and the two reviewers for their time and their valuable comments on our manuscript. Our responses to the reviewers' comments are detailed below. Comments from the reviewers are highlighted in **bold** font, followed by our responses in regular font.

Reviewer 1

Please expand your captions, as described in the author guidelines: "Note that the structure of a thorough caption is three components: (1) what is the plot/table about, (2) specific details of plot/table, like what type of display and how variables are mapped, (3) the most important thing that the reader should learn."

R: Thank you so much for raising this issue. We have corrected the lack of details in all of the plot captions.

Think about reformatting your paper with the new journal template. Having the paper rendered as both html and pdf will make it more broadly accessible.

R: Our latest submission [2022-141] already used the new R Journal template (created from the [rjtools](#) package), and was submitted as a RMarkdown file that can be rendered as both html and pdf.

Reviewer 2

The authors mention that the data are "presented in columns n_{irto} for..." which confused me briefly since none of the columns are named this (or begin with a capital N), maybe something like n_{irto} where $i = 1, \dots, 10$, etc. would be a bit clearer? The same goes for the explanation on Page 6 for the epidural_ic data.

R: Thank you for pointing out this inconsistency. We have updated the notations in the manuscript and are now using the lowercase instead (i.e., n_{irto} and n_{ir*o}).

It is specified that data in the `plt.noncomp` needs to be in the "structure like epidural_c or epidural_ic" – perhaps a few more details would be helpful (something like, with one row per study and columns n_{irto} or whatever is necessary).

R: Thank you for the suggestion. We have added the following lines in the manuscript to clarify the data requirement:

"Specifically, the dataset should contain the following columns: `study.id`, `study.name`, and 8 or 12 columns of data represented by n_{irto} , or n_{irto} and n_{ir*o} (see previous section for more details). Each row corresponds to one study."

The `plt.noncomp` function seems to add a dashed line at 0.5 – what does this represent? (I don't see this line when I run the code locally, but I see it in Figure 1)

R: Thanks for pointing out the inconsistency in the plot. The dashed line was originally added to the plot to highlight the magnitude of some of the noncompliance rates. We have removed it from the final manuscript version, and are now using the output figure from the `plt.noncomp` function instead.

Minor typos.

R: Thanks for pointing these out. We have addressed them and proofread the manuscript.