Discussion

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- The effect of compliance on all 3 outcomes is quite high, and it largely depends on the missingness pattern.

- while the previous research suggested that increasing T is very effective (and this is true), it is very important to keep compliance as high as possible
- consequences of misestimation: could this be one of the reasons why the inertia of NA/PA does not predict psychopathology/well-being (Dejonckheere 2019)?
- in studies estimating inertia, there might be some individual differences in inertia estimates that are due to different missingness patterns, not due to changes in real inertia (i. e., two participants with the same real inertia but different missingness patterns could have different inertia estimates)
- also, this makes computing power a bit less straightforward (ideally, to get realistic estimates of power, one should have an idea about what the average compliance could be and what missingness patterns might be present in the data - of course, in real life, we can expect there to be a mix of missing data patterns in every dataset).
- of course, not entirely realistic - real life data will likely have a mixture of missing data patterns at both the within- and between-person level.

Limitations

Dejonckheere, Egon. 2019. "Complex Affect Dynamics Add Limited Information to the Prediction of Psychological Well-Being." *Nature Human Behaviour* 3: 17.