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| **RUHR UNIVERSITY** BOCHUM | 44780 Bochum | Germany | |  | FACULTY OF PSYCHOLOGY  Psychology of  Human Technology Interaction  **Dr. Ian Hussey**  Phone +32 (0)470 396842  Email ian.hussey@rub.de  **January 19, 2023** |
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| Manuscript Submission: “ A systematic review of Null Hypothesis Significance Testing, sample sizes and statistical power in research using the Implicit Relational Assessment Procedure” | | | |

Dear Prof Levin,

Please find attached my manuscript “A systematic review of Null Hypothesis Significance Testing, sample sizes and statistical power in research using the Implicit Relational Assessment Procedure”.

The ACBS board recently voiced its support for Open Science practices (<https://contextualscience.org/news/adoption_of_open_science_recommendations>), including active encouragement and facilitation of replication. This manuscript is partly motivated by that announcement, and examines a key determinant of replicability in the IRAP literature, namely sample size and its implied statistical power.

I was tempted to submit this to a different kind of journal, but I ultimately thought it would be best to offer it to JCBS first. After all, the IRAP is a CBS measure, and JCBS may want to host critiques like this in order to facilitate methodological improvements in the community’s work. I’m aware that I have three IRAP manuscripts under review at JCBS, but the revisions of those are progressing well.

Kind regards,

Ian Hussey