Review of: "Mind and matter correlated in a matrix. New replication using an online game"

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Potential competing interests: No potential competing interests to declare.

I have read your recent study on the interaction between mind and matter, focusing on the correlation between psychological behaviour and physical systems using random number generators (RNGs). This review aims to provide a critical assessment of the work and its contribution to the field. Strengths of the Study: 1. Innovative Approach: Your study's utilization of an online game to gather psychological data and its integration with RNG outputs is commendable. This approach not only engages participants more effectively but also represents a significant advancement in experimental design for this field. 2. Extensive Participant Pool: The involvement of 726 participants from over 50 countries enhances the study's reliability. Such a diverse and extensive participant base is a notable strength, providing robust data for analysis. 3. Rigorous Analysis: The employment of two different RNGs (Random.org and Mersenne Twister) and the separate analysis of their data demonstrate a thorough and nuanced approach to examining the mind-matter interaction hypothesis. The statistical rigor applied in your study, especially the use of Welch's T-test and effect size analysis, is exemplary. 4. Important Contributions: Your findings, particularly the significant differences observed with Random.org, contribute valuable insights into the ongoing debate about the nature of mind-matter interactions. The study's novel approach and comprehensive analysis add significant value to the field. Areas for Improvement and Future Research: 1. Exploring RNG Differences: The differing results obtained with Random.org and Mersenne Twister raise interesting questions about the influence of RNG types on study outcomes. Future research should delve deeper into these differences to understand their implications better. 2. Participant Influence: The study's discussion on the potential influence of participants, despite their unawareness of the RNG operations, is intriguing. Future studies should focus on implementing more rigorous control measures to explore this aspect further. In conclusion, the study stands as a significant contribution to the field of mind-matter research. The innovative methodology, extensive participant involvement, and meticulous statistical analysis set a high standard for future research in this area. I look forward to seeing how your findings will stimulate further exploration and understanding of these complex interactions.