

Review of: "Detection and Correction of Likert Scale Multiplicative Response-Style Bias"

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Potential competing interests: No potential competing interests to declare.

The paper addresses an important and often overlooked issue in survey-based research: the impact of multiplicative response-style biases in Likert-scale data. The proposed methods represent a novel and robust statistical approach to identifying and correcting such biases. I have made some observations that may improve the overall quality of the manuscript.

****Addressing Assumptions and Limitations****

The manuscript could make the assumptions underlying the proposed methods more explicit. For example, how do the techniques handle varying sample sizes, different lengths of response scales—which is undoubtedly a crucial factor—and the presence of multiple bias types simultaneously? Specifically, how do they address extreme response styles (e.g., predominantly selecting categories 1 and 5 in a 5-point Likert scale) and middle response styles (e.g., predominantly selecting categories 2 and 3 or 3 and 4)? What kinds of response styles can be detected and corrected? Simulating such response styles under various sample-size conditions could help answer these questions. Furthermore, discussing these aspects as potential limitations would provide a more nuanced perspective on the applicability of the methods.