

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 approach in this paper is different from commonly used ones in psychometric literature. I did learn a lot from this study, but still, I have some questions and comments:

1. Since the responses are rescaled into $[0, 1]$, does 0.5 mean neutral? I feel that using $[-1, 1]$ would be clearer.
2. Which kinds of response styles (RS) can the proposed model capture? Commonly seen RS include extreme RS, midpoint RS, acquiescent RS, and disacquiescent RS. Clearly, the proposed model can capture only a few kinds of RS.
3. In IRT literature, the model identification issue is usually solved by assuming the latent variable follows a standard normal distribution. The way that the author makes the model identified looks complex, and the constraints look arbitrary.
4. The latent variables were generated from a multivariate normal distribution, contradicting that the ξ 's are from 0 to 1. More details about the data generating process should be shown.
5. How is the correlation matrix computed for the proposed method? It is not described in the paper.