

Review of: "Which Attributes Explain Gender Differences in Impostor Syndrome Scores in Medicine and Health Sciences Students: A Secondary Multivariate Analysis"

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Potential competing interests: No potential competing interests to declare.

The paper presents a compelling topic, but I have several reservations regarding the chosen methodology and the analysis. My review is aligned with Mr. Sahlan's review due to many similar concerns I have.

Concerns about Sample Size and Representation: The demographic details of the sample are not sufficiently explained. I would expect the authors to clarify how the sample was selected (which previous studies did they use) and handled, along with information on its diversity. Also, why did they choose a sample from other studies and not on their own?

Concerns about the method of analysis: I agree with Mr. Sahlan that while the authors mention the use of multivariate analysis of variance (MANOVA), there is a lack of detail regarding the assumptions underlying this analysis. For clarity and transparency, it would be beneficial for the authors to address these assumptions more explicitly and not only by a table.

Concerns about the Appropriateness of the chosen Methodology: I'm not fully convinced that a purely quantitative approach was ideal for this research. A mixed-method approach, combining both quantitative and qualitative data (e.g., thematic analysis), might have provided a more robust exploration of the topic, allowing for a deeper understanding of the nuances behind the findings.