

Review of: "Identifying Psychological Distress Patterns during the COVID-19 Pandemic using an Intersectional Lens"

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Potential competing interests: No potential competing interests to declare.

This work addresses a topic of great psychosocial interest. The methodology employed is novel and a large sample size has been used. For this reason, I congratulate the authors.

However, I believe that it would be important and interesting to pay attention to the following aspects in order to improve the paper:

- It should be explained how the sample size was determined, i.e. whether analyses were carried out to determine the sample needed to carry out the work.
- The description of the scale used to assess psychological distress is somewhat unclear and incomplete. The authors comment that the five items were adapted from three scales, but how and which items were selected? The reliability of the resulting scale in the study sample should also be indicated, as well as the full name of the scales (GAD-7 and CES-D) and the references and citations for these scales should be included.
- A more detailed description of the Analytical Methods section would help the reader to better understand the methodology used. For example, it would be interesting to explain a little more about both methodologies at the statistical level (e.g. algorithm used).
- A paragraph commenting on the limitations of the work should be included.

In conclusion, I believe that this paper makes a significant contribution and that addressing the limitations mentioned could strengthen this research.