

Personality as a Core Organizing Factor in Mind–Body Health: A Computational Modeling Study

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R e v i e w e r s

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1. Round 1

1.1. Reviewer 1

Reviewer:

The critique of linear methods is appropriate; however, the manuscript would benefit from a clearer justification of why SEM alone is insufficient, thereby strengthening the rationale for combining SEM with machine learning.

The aim sentence is clear, but it would be strengthened by explicitly stating whether the goal is explanatory, predictive, or both, given the dual analytic framework used.

The correlation matrix is informative; however, please report confidence intervals or discuss multicollinearity, especially given the strong associations involving Neuroticism.

Authors revised the manuscript and uploaded the document.

1.2. Reviewer 2

Reviewer:

In the sentence “The final sample was designed to be heterogeneous...”, please report actual sample size and demographic composition (age range, gender distribution) to support claims of heterogeneity.

The exclusion of individuals with “acute psychiatric conditions” is noted; please clarify how this was assessed (self-report item, screening question, or clinical verification).

While psychometric validity is referenced, the manuscript would benefit from reporting Cronbach’s alpha values for the BFI subscales in the current sample, rather than relying solely on prior literature.

The manuscript uses multiple instruments (SF-36, PSS, PANAS, PSQI). Please clarify whether these were treated as independent indicators or theoretically nested components prior to SEM modeling.

The statement “Missing data were handled using appropriate estimation methods” is too vague. Please specify the exact method used (e.g., FIML, multiple imputation) and justify its suitability.

In Table 1, the label “Sleep Quality (PSQI Global Score)” may mislead readers, as higher PSQI scores indicate poorer sleep. Consider explicitly noting this in the table note or variable label.

Authors revised the manuscript and uploaded the document.

2. Revised

Editor’s decision: Accepted.

Editor in Chief’s decision: Accepted.