

Review of: "Sociosexuality Expanded: The Role of Light and Dark Personality Traits"

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Potential competing interests: No potential competing interests to declare.

General Comment:

I have read the introduction, method, and results of the present study and find them suitable for publication. The study includes a measurement of clear personality traits, which is not yet widespread in research. The manuscript's writing is clear and concise in accordance with scientific writing standards.

Below are my comments.

Section: Introduction

Paragraph 1: The authors mention, "Sociosexuality is a term that includes individual differences in the desire to engage in casual sex." By narrowing down the definition of sociosexuality to "desire," cognitive and behavioral aspects may be overlooked. A slight modification is suggested to better reflect the nature of the construct. Additionally, it is mentioned that most studies have viewed sociosexuality as a unidimensional construct, but no citations are provided. To support such a claim, it is necessary to present citations.

Section: Method

In this study, researchers aimed to create predictive models for sociosexuality dimensions based on light and dark personality traits. Therefore, it is pertinent for the analysis plan to include a description of the assumptions evaluation of linear regression models (homoscedasticity, normality, independence, and multicollinearity). Linear regression models are generally useful for predicting values when these assumptions are met, ensuring low prediction bias. Otherwise, the authors could discuss associations between variables rather than making predictions.

Section: Results

The authors are commended for the clarity and conciseness in describing the results. The results description includes both descriptive statistical measures and scale reliability. In the regression analysis results, the authors report effects and their respective confidence intervals, which are valuable inputs for comparing results across different studies. Overall, the R^2 values for the three regression models are below 0.2, indicating that light and dark traits, while significant, explain very little of individuals' sociosexuality.

Considering the above, there is a suggestion for further exploration in the analytical technique to ensure more precise

predictions with low error. Another feasible alternative for the authors would be to limit the study to the analysis of relationships between variables.