

Review of: "A Simple Preprocessing Method Enhances Machine Learning Application to EEG Data for Differential Diagnosis of Autism"

Thanh Tung Trinh

Potential competing interests: No potential competing interests to declare.

Overall, the ideas presented in this research are commendable and appreciated. However, there are several areas that require improvement to ensure the manuscript's publishability:

Writing Issues: There are numerous instances of writing issues throughout the manuscript, including unexplained abbreviations. For instance, the abbreviation "ASD" in the abstract requires clarification. Additionally, the use of "autism vs NPD" instead of "ASD vs NPD" lacks consistency and clarity. Furthermore, abbreviations such as "Recs" in Table 1 need explanation. Some sections contain only one sentence, which should ideally be expanded into paragraphs. Moreover, there is inconsistency in mentioning the classifier used, with references to both KNN and ANN. Clarification on which classifier was utilized is necessary.

Assumption Clarification: The manuscript should provide more detailed reasoning behind the assumption that MST is promising for diagnosing ASD. The introduction presents two assumptions, which may not be adequately supported. Providing stronger justification for these assumptions is essential.

Discussion of Novelty: The manuscript lacks sufficient discussion regarding the novelty of the study compared to existing literature. More emphasis should be placed on highlighting the unique contributions and innovations of the research in relation to prior studies.

In general, the writing appears rushed and lacks attention to detail. A major revision is recommended to address these issues and enhance the overall quality of the manuscript.