

Review of: "FLAML-Boosted XGBoost Model for Autism Diagnosis: A Comprehensive Performance Evaluation"

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Potential competing interests: No potential competing interests to declare.

In the Abstract, the authors mentioned the following metrics: ROC curve, calibration curve, confusion matrix, and precision-recall curve. However, they mention the "error" metric as the means to assess the performance of the XGBoost model. Which "error" is it?

In Section 2, dataset and preprocessing; the author should include a table that will contain all the features and a short description. This will improve the readability of the paper.

In this paper, the author considered AutoML with FLAML to deal with the issue of class imbalance. However, using one method alone is not ideal. Why didn't the author consider using the SMOTE or ADASYN methods in the data pre-processing phase and then use the XGBoost model afterwards? - Compare the results with AutoML and FLAML.

My decision is that the author should add an additional technique to deal with the class imbalance problem and compare it with AutoML and FLAML.

The paper should be rejected. The author must re-submit it once the changes have been made.