

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.

Here are the personal comments for the paper:

In the manuscript, the authors claimed that they developed a FLAML-Boosted XGBoost Model for Autism Diagnosis. However, there are some suggestions to be resolved for further academic publications:

- 1) There are numerous machine learning models that can be deployed for the task, such as bagged decision trees, neural networks, support vector machines and so forth. Why is XGBoost the only one introduced in the manuscript?
- 2) Deep learning based techniques such as recurrent neural networks, and convolutional neural networks are emerging techniques. How is the performance of there techniques on the classification task?
- 3) The proposed method for processing of data imbalance comes from others' work. What's your contribution towards data imbalance?
- 4) As far sa I am concerned, there could be more features to be included for analysis other than mentioned features in the manuscript.

Rejection is therefore suggested as the contributions of the paper are quite limited.