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.

This study implemented XGBoost classification algorithm on a dataset with autism patients and more than 20 input variables, coupled with FLAML to handle unbalanced data. The performance of classification is assessed via ROC curve, calibration curve, and confusion matrix. The whole manuscript is clearly organized, with decent results and relevant discussions. The methods utilized are reasonable. This kind of study has its unique value in applying machine learning / deep learning to clinical research. One thing I suggest to improve is: please upload the dataset used in this study (i.e. “**autism_dataset.csv**”) or attach the publicly available link to it (e.g. on github), for users to reproduce the results.