

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 order to diagnose autism, this research suggests a hybrid approach that makes use of FLAML and XGBoost. The hyper-parameters of XGBoost are tuned using FLAML specifically for the unbalanced medical dataset.

Strengths:

- Overall, I think the writers made an appropriate attempt. The article seems organized and well-written. It is both scientifically sound and suitably appealing.
- According to a number performance metrics, the experiment's findings seem promising.

Suggestions:

- It is advised to include a few images, such as block diagrams or flow charts, to support the experimentation carried out.
- The comparative analysis with other ML algorithms is highly recommended.
- Kindly provide a strong literature study for the decisions made in selecting the algorithms and methods.
- Make sure to endorse potential research directions for the future.