

# 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.

Dear researchers, the topic you want to tackle is the big challenge in the area. Unbalanced data is the main bottleneck for the performance of classification. Thank you for trying to solve this challenge.

**Comment 1:** The article lacks novelty aspects of the research methods being used. Your work simply applied already existing state-of-the-art techniques for data balancing and classification. Can you clarify what the new contribution is in your work?

**Comment 2:** As your article stated, the main objective of your work is solving the data imbalance challenge. But I didn't get the number of your dataset, how much it is imbalanced, which class is the minority class, how much data is increased during the balancing procedure, .....?

**Comment 3:** It was better to include the performance of the result before class balancing and compare it after balancing the dataset. Also, it was better to include the improvement of the performance for the specific minority class after class balancing.

**Comment 4:** You should compare your results with the previous works.