# Review of: "A Graphical User Interface Based on Logistic Regression Approach for Malarial Detection"

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Potential competing interests: No potential competing interests to declare.

I thank the authors for their valuable work on this paper, presenting and comparing machine learning techniques for malarial detection. However, some areas could benefit from improvements.

Regarding the feature reduction technique, there is no explanation of why the authors chose 0.6 as the threshold. There should be justification for selecting this particular value.

The article could benefit from further clarification regarding the details of selecting a subset of features.

The manuscript lacks details on the selected model and if there was any hyperparameter tuning. Selecting the right hyperparameters could improve the performance of the RF or SVM.

Results are presented with sufficient data but lack depth in interpretation. For instance, more discussion on why LR consistently outperforms the other models could provide more clarity.

Although the article refers to other machine learning studies for malaria detection, it could benefit from a more in-depth comparison of these studies and a more comprehensive review of the literature.

The authors could consider using methods like XGBOOST or CATBOOST for their future studies. These methods are generally more suited for tabular data and robust to overfitting, so there wouldn’t be a need for feature reduction.