

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

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I want to thank the authors for their work on this paper. The article presents a GUI for malaria detection, comparing LR, SVM, and RF. The approach is valuable, but several areas need further elaboration and clarification.

The abstract is clear but lacks specific results and dataset details. It would enhance its clarity by including performance metrics (accuracy, precision) and dataset characteristics.

The dataset (350 records) is small, raising concerns about generalizability.

Ethical considerations regarding data collection are not addressed.

The Pearson correlation threshold of 0.6 is used, but the rationale for this specific value is unclear.

More information is needed on hyperparameter tuning and algorithm configurations.

The performance metrics are well-explained, but more detail on the selection of k-values for cross-validation and the absence of external validation limits confidence in the model's generalizability.

The results are well presented, but the statistical significance of differences between models is not explored.

Adding confidence intervals and more discussion on model robustness would strengthen the study.

The GUI's claimed speed compared to experts is not supported by concrete timing metrics.

While the conclusion effectively summarizes the findings, it lacks a discussion of the study's limitations. The authors should provide more concrete plans for future improvements to the GUI and model deployment.