

# 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.

Choosing specific performance metrics like accuracy, precision, recall, and F-score for evaluating machine learning techniques depends on the particular goals and characteristics of the problem at hand. Accuracy measures the overall correctness of the model but can be misleading with imbalanced datasets. Precision and recall provide more nuanced insights; precision indicates how many of the predicted positives are true positives, which is crucial when the cost of false positives is high, while recall measures how many actual positives are correctly identified, important when missing a positive is costly. The F-score balances precision and recall, offering a single metric that accounts for both false positives and false negatives, making it useful when seeking a compromise between precision and recall.