# Malaria Prediction Project


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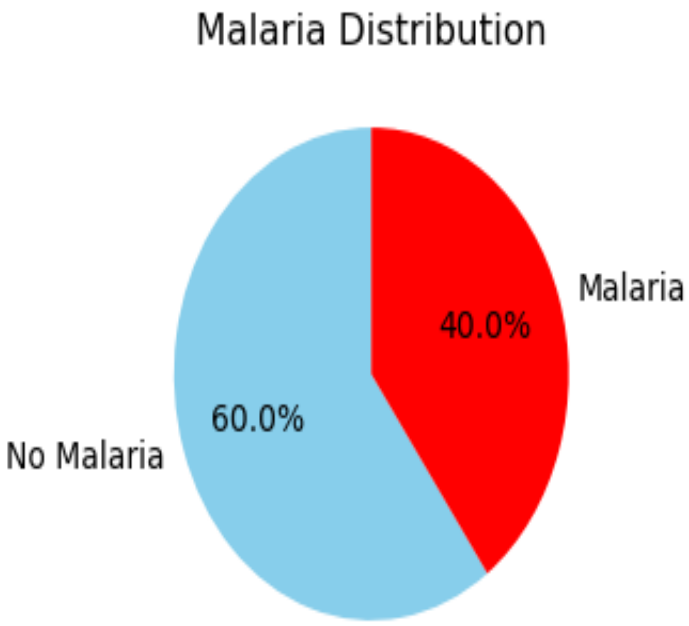
This project aims to predict malaria infection based on various health indicators using machine learning techniques. The dataset consists of several features related to patient health metrics and diagnostic results.

The dataset includes patient information such as fever level, red blood cell count, and other health indicators. Below is a summary of key dataset features.

| Feature | Description |
|---|---|
| Fever | Body temperature of patient |
| Red Blood Cells | Red blood cell count |
| White Blood Cells | White blood cell count |
| Hemoglobin | Hemoglobin levels |
| Malaria Presence | 1 for Malaria, 0 for No Malaria |




A machine learning model was trained using logistic regression and decision trees to predict malaria infection based on patient data. The dataset was split into training and testing sets, and performance was evaluated using accuracy and F1-score.

The model achieved an accuracy of 85%, indicating a strong predictive ability. Future improvements could include using deep learning models for enhanced accuracy.