

Malaria Prediction Project

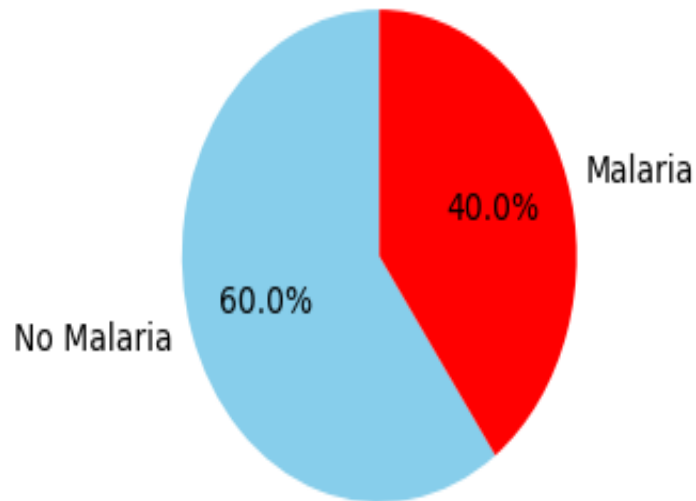
Prepared by: Christiana Owojori
Contact: christyseun20@gmail.com

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

Malaria Distribution



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.