



I. Instructions for the candidate

1. Clone this Git repository: https://github.com/syllasn/Examen_machinelearning.git
- 2.
3. You have to possibilities :
 - a. Create a branch named : "**yourfistname_yourlastname-recrutement**" from the main branch
 - b. Rename the functions.py file by : "**yourfistname_yourlastname-recrutement**"
4. Work on the following tasks in functions.py file by implementing each function in Python and ensure you commit your changes regularly.
 - a. You use this dataset:
 - **malaria.xlsx****Objective:** Develop a malaria case prediction model and define malaria control planning policies.
5. Once finished, push your branch to the Git repository or push your file.
6. Answer the result interpretation questions in the README.md or another file.
7. If you choose to complete the deployment part, also provide instructions on how to run the application.

II. Result Interpretation

In the README.md or another file, answer the following questions:

- a. Which hyperparameters were selected for the final model, and why?
- b. What are the model's results in terms of precision, recall, F1-score or others?
- c. How do you interpret these results, and what suggestions do you have for improving the model's performance?

III. Scoring:

- ☐ Correct implementation of functions: 70 points
- ☐ Results Interpretation : 20 points
- ☐ Answer questions : 10 pts
- ☐ Deployment (bonus) : 10 pts