

## Requirements

-Have at least 200 MB free space to download and install the FLamby benchmark, including the heart disease dataset

-Have [Python](#) and [Git](#) installed

-Recommended to use [Anaconda](#) for easy installation

-Per the [FLamby github](#), perform the following terminal commands (one by one) to download and install the repository for the heart disease dataset

- `git clone https://github.com/owkin/FLamby.git`
- `cd FLamby`
- `make enable=heart install`
- `conda activate flamby`
- `make update`

-If “make” command is not available on your machine, run this instead

- `git clone https://github.com/owkin/FLamby.git`
- `cd FLamby`
- `conda env create -f environment.yml`
- `conda activate flamby`
- `pip install -e .[heart]`

-Download the heart disease dataset

- `cd flamby/datasets/fed_heart_disease/dataset_creation_scripts`
- `python download.py --output-folder ./heart_disease_dataset`

-Once the dataset has been installed, check to see if the benchmark code runs

- `cd flamby/benchmarks`
- `python fed_benchmark.py --seed 42 -cfp ../config_heart_disease.json`

-Replace the “model.py”, “loss.py”, and “metric.py” in

`\User\FLamby\flamby\datasets\fed_heart_disease` with the ones found here: [padillma1/ECAI-2024-Demo-Paper \(github.com\)](#)

-Do the same for “benchmark\_utils.py” in `\User\FLamby\flamby\benchmarks`