

Description

You have been given a dataset on patients. You must use your data science skills to create a predictive model that can predict whether a patient will get heart disease. The target column that you are trying to predict is **HeartDisease**. Your submission will be scored based on the accuracy. You will use the model to make predictions on a test and you will submit those predictions to a [kaggle competition](#) and to get a place on the leaderboard.

Complete the following

- Extract data
- Use what you've learned to analyze the data to help you to decide what features you may want to use for your predictions. This may include plotting various graphs, charts, plots that you would have learnt with matplotlib.
- Do the necessary data preprocessing and feature engineering (e.g removing null values, encoding columns etc.)
- Pick any one of the various supervised learning models you would have learnt of to train your predictive model on the data in **train.csv**.
- Use the predictive model to predict the data in **test.csv**
- Convert predictions to csv and submit. The format of the csv can be seen in the **sample_submission.csv** file.
- You must submit your predictions to kaggle.

What to Submit

- Ipython notebook file.
- Submission csv file.
- Screenshot of place on leaderboard