**Heart disease prediction**

***Apply at least 3 classification algorithms to predict .***

***Try to create an ensamble model as well***

The database contains 76 attributes, but all published experiments refer to using a subset of 14 of them. In particular, the Cleveland database is the only one that has been used by ML researchers to this date. The "goal" field refers to the presence of heart disease in the patient. It is integer valued from 0 (no presence) to 4.

**Column Details :**

age age in years

sex(1 = male; 0 = female)

cp chest pain type

trestbp sresting blood pressure (in mm Hg on admission to the hospital)

chol serum cholestoral in mg/dl

fbs(fasting blood sugar > 120 mg/dl) (1 = true; 0 = false)

rest ecg resting electrocardiographic results

thala ch maximum heart rate achieved

exang exercise induced angina (1 = yes; 0 = no)

old peakST depression induced by exercise relative to rest

slope the slope of the peak exercise ST segment

ca number of major vessels (0-3) colored by flourosopy

thal3 = normal; 6 = fixed defect; 7 = reversable defect

target 1 or 0