

Report

- **Abstract:**

- Predicted the Patients are have heart disease or not?

- **Design:**

The project must include a specific background that meets the customer's need.

- **Data :**

Main data source is Heart Disease from kaggle site .

(https://www.kaggle.com/captainozlem/framingham-chd-preprocessed-data?select=CHD_preprocessed.csv)
Contains 16 feature and 4133 rows

- **Algorithms:**

Clean duplicated data, explore, aggregate, and visualize and regression the data as appropriate to address the client's problem

- **Tools:** work on Python.

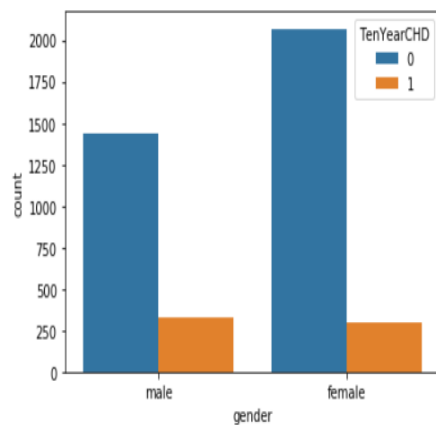
Numpy and Pandas for data manipulation

Matplotlib and Seaborn for plotting, KNeighborsClassifier, metrics.

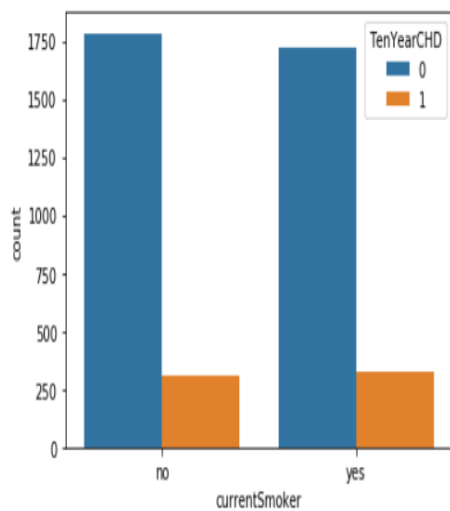
- **Communication:**

- The goal of this project is to Predict the Patients are have heart disease or not.

The probability of heart disease in gender (male and female):



The probability of heart disease among (smokers and non-smokers):



The probability of heart disease in the ages (thirties, forties, fifties, and sixties):

