First of all,we have a data about patients have heart disease or not.We try to use classification algorithms (KNN, Logistic Regression ,Decision Tree ,and SVM) in order to predict the patients ahve disease or not according to features in it.

The source of data is kaggle.

kaggle kernels output cdabakoglu/heart-disease-classifications-machine-learning -p /path/to/dest

Data contains;

- age - age in years
- sex - (1 = male; 0 = female)
- cp - chest pain type
- trestbps - resting 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)
- restecg - resting electrocardiographic results
- thalach - maximum heart rate achieved
- exang - exercise induced angina (1 = yes; 0 = no)
- oldpeak - ST 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
- thal - 3 = normal; 6 = fixed defect; 7 = reversable defect
- target - have disease or not (1=yes, 0=no)