About Dataset

This is a multivariate type of dataset, involving a variety of separate mathematical or statistical variables for multivariate numerical data analysis. It comprises 14 attributes:

- Age

- Sex
 Chest pain type
 Resting blood pressure
 Serum cholesterol
- · Fasting blood sugar
- Resting electrocardiographic results
 Maximum heart rate achieved
- Exercise-induced angina
- Oldpeak ST depression induced by exercise relative to rest
- Slope of the peak exercise ST segment
- Number of major vessels
- Thalassemia

The database includes 76 attributes, but all published studies relate to the use of a subset of 14 of them. The Cleveland database is the only one used by ML researchers to date. The major tasks on this dataset include predicting whether a person has heart disease based on given attributes and experimental tasks to diagnose and gain insights.

Column Descriptions:

- id (Unique id for each patient)
 age (Age of the patient in years)
 origin (Place of study)
 sex (Male/Female)

- cp Chest pain type (typical angina, atypical angina, non-anginal, asymptomatic) trestbps Resting blood pressure (in mm Hg on admission to the hospital) chol Serum cholesterol in mg/dl fbs If fasting blood sugar > 120 mg/dl

- restecg Resting electrocardiographic results (normal, stt abnormality, lv hypertrophy)
- thalach Maximum heart rate achieved
- exang Exercise-induced angina (True/False)
 oldpeak ST depression induced by exercise relative to rest
- slope Slope of the peak exercise ST segment
- ca Number of major vessels (0-3) colored by fluoroscopy
- thal (normal; fixed defect; reversible defect)num The predicted attribute

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