**Variables:**

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| Attribute | Description |
| AHD | whether the patient is diagnosed with heart disease |
| X | Patient identification number |
| Age | Age in years |
| Sex | Sex ( 1= male , 0= female) |
| ChestPain | Chest pain type(1= typical,2=atypical,3=nonanginal,4=asymptomatic) |
| RestBP | 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(0= normal, 1=having ST-T wave abnormality (T wave inversions and/or ST elevation or depression of > 0.05 mV), 2= showing probable or definite left ventricular hypertrophy by Estes' criteria ) |
| MaxHR | 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 (1= upsloping , 2= flat, 3= downsloping) |
| Ca | Number of major vessels (0-3) coloured by flourosopy |
| Thal | Result of the thalium stress test(3 = normal,6 = fixed defect,7 = reversable defect) |