

**DATA DICTIONARY: contains 14 attributes (including the class attribute).**

1. age: age in years
2. sex: sex (1 = male; 0 = female)
3. cp: chest pain type
  - Value 1: typical angina
  - Value 2: atypical angina
  - Value 3: non-anginal pain
  - Value 4: asymptomatic
4. trestbps: resting blood pressure (in mm Hg on admission)
5. chol: serum cholestoral in mg/dl
6. fbs: (fasting blood sugar > 120 mg/dl) (1 = true; 0 = false)
7. restecg: resting electrocardiographic results
  - Value 0: normal
  - Value 1: having ST-T wave abnormality (T wave inversions and/or ST elevation or depression of > 0.05 mV)
  - Value 2: showing probable or definite left ventricular hypertrophy by Estes' criteria
8. thalach: maximum heart rate achieved
9. exang: exercise induced angina (1 = yes; 0 = no)
10. oldpeak = ST depression induced by exercise relative to rest
11. slope: the slope of the peak exercise ST segment
  - Value 1: upsloping
  - Value 2: flat
  - Value 3: downsloping
12. ca: number of major vessels (0-3) coloured by flourosopy
13. thal: 3 = normal; 6 = fixed defect; 7 = reversible defect
14. num: diagnosis of heart disease (class attribute for disease status)
  - Value 0: < 50% diameter narrowing i.e. has no heart disease
  - Value 1: > 50% diameter narrowing i.e. has heart disease