

Working with Dataset

Project Name: Visualizing and Predicting Heart Diseases with an Interactive Dash Board

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Understanding the Dataset.

This database contains of 14 fields. The "goal" field refers to the presence of heart disease in the patient. It is integer valued from 0 (no presence) to 4.

The data dictionary is as follows:

S.no Field Name

- 1 Age
- 2 Sex
- 3 Chest pain type
- 4 BP
- 5 Cholesterol
- 6 FBS over 120
- 7 EKG results
- 8 Max HR
- 9 Exercise angina
- 10 ST depression
- 11 Slope of ST
- 12 Number of vessels Fluro
- 13 Thallium
- 14 Heart Disease

Reference:

The data can be downloaded from the following:

<https://www.kaggle.com/datasets/johnsmith88/heart-disease-dataset>

The screenshot shows the Kaggle interface for the 'Heart Disease Dataset'. The dataset is 38.11 kB and has 492 views. The data explorer view displays histograms for the following variables:

- age**: age in years (range 29-77)
- sex**: (1 = male; 0 = female) (range 0-1)
- cp**: chest pain type (range 0-3)
- trestbps**: resting blood pressure (in mm Hg on admission to the hospital) (range 94-200)
- chol**: serum cholestoral in mg/dl (range 126-564)
- f**: (range 0-1)

A table of data rows is also visible, showing the following values:

age	sex	cp	trestbps	chol	f
70	1	0	145	174	0
61	1	0	148	283	0
62	0	0	138	294	1
58	0	0	100	248	0

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