

Dataset Documentation: heart.csv

Overview:

The `heart.csv` dataset contains medical attributes of individuals, providing essential information used for the prediction and early detection of cardiovascular diseases.

The dataset is pivotal for developing AI models aimed at mortality prediction and early detection in cardiovascular diseases.

Variables Description:

Age:

- type: Numerical
- Description: Age of the individual.
- Range: [29, 77]

Sex:

- Type: Categorical (Binary)
- Description: Gender of the individual.
- Categories: - `F`: Female - `M`: Male

ChestPainType:

- Type: Categorical
- Description: Chest pain type experienced by the individual.
- Categories:[ATA, NAP, ASY]

RestinBP:

- Type: Numerical
- Description: Resting blood pressure (in mm Hg) upon admission to the hospital.

Cholesterol:

- Type: Numerical
- Description: Serum cholesterol level in mg/dl.

FastingBS:

- Type: Categorical (Binary)
- Description: Fasting blood sugar.
- Categories: - `0`: < 120 mg/dl - `1`: > 120 mg/dl

RestingBS:

- Type: Categorical
- Description: Resting electrocardiographic results.
- Categories: [Normal, ST, LVH]

MaxHR:

- Type: Numerical
- Description: Maximum heart rate achieved during the Thallium stress test.

ExerciseAngina:

- Type: Categorical (Binary)
- Description: Exercise-induced angina.
- Categories: - `N`: No - `Y`: Yes

Oldpeak:

- Type: Numerical
- Description: ST depression induced by exercise relative to rest.

ST_slope:

- Type: Categorical
- Description: Slope of the peak exercise ST segment.
- Categories: [Up, Flat, Down]

HeartDisease:

- Type: Categorical (Binary)
- Description: Diagnosis of heart disease.
- Categories: - `0`: Absence of heart disease - `1`: Presence of heart disease