

## Objectives

The objective is to predict the survival of coronary artery disease patients using the dataset provided to help doctors to formulate preemptive medical treatments. In your submission, you are to evaluate at least 3 suitable models for estimating the patients' survivals.

## Dataset description

The dataset contains the medical records of coronary artery disease patients for a particular hospital. Do note that there could be synthetic features in the dataset. Hence, please ensure that you state and verify any assumptions that you make.

## List of Attributes

Attribute	Description
ID	Unique ID for each patient
Survive	If the patient survives: 0 = No , 1 = Yes
Gender	Gender type
Smoke	If the patient smokes
Age	Age of the patient
Ejection Fraction	Strength of heart
Sodium	Level of sodium in the blood serum ( mg/dL)
Creatinine	Level of creatinine in the blood serum (mEq/L)
Platelets	Number of platelets in the blood serum ( kiloplatelets/mL)
Creatinine phosphokinase	Level of the enzyme in the blood (mcg/L)
Blood Pressure	Level of blood pressure (mmHg)
Hemoglobin	Level of hemoglobin in the blood (g/dL)
Height	Height of patient (cm)
Weight	Weight of patient (kg)
Favourite color	Favourite color of patient