**Heart failure clinical record**

**Part 1**

Heart failure is a serious medical condition that affects millions of people worldwide. Early detection and management of heart failure can improve outcomes and quality of life for affected individuals. Machine learning algorithms can be trained on patient data to predict the risk of heart failure and help clinicians make informed decision.

Columns:

Anaemia:Decrease of red blood cells or hemoglobin (boolean)

Creatinine\_phosphokinase:Level of the CPK enzyme in the blood (mcg/L)

Diabetes:If the patient has diabetes (boolean)

Ejection\_fraction: Percentage of blood leaving the heart at each contraction (percentage)

High\_blood\_pressure: If the patient has hypertension (boolean)

Platelets: Platelets in the blood (kiloplatelets/mL)

Serum\_creatinine: Level of serum creatinine in the blood (mg/dL)

Serum\_sodium: Level of serum sodium in the blood (mEq/L)

Sex: Woman or man (binary)

The data of the people who had heart failures previously and people who haven’t faced heart failures have been stored in the csv.

As you can see the various criteria that are related with heart disease,like enzyme levels and other data about the patients have been tabulated. So, the irrelevant data would be cleaned first to make sure that I have a proper dataset to proceed with the project.

These data could be visualised in a better way for analysing them.

For analysing the data, I would use one of the machine learning tool and train it to predict the risk of heart failures for each of the data in then dataset .

I would then evaluate the performance of the models using various metrics such as accuracy, precision, and recall.