***Heart Failure Classification Discovery***

This project is focused on finding the best classification model to determine the key health factors that should be considered when trying to predict future heart failure.

The dataset includes 12 variables related to a final variable of Death Event as the predictor.

The data source I will be using can be found at: <https://www.kaggle.com/andrewmvd/heart-failure-clinical-data?select=heart_failure_clinical_records_dataset.csv>

***Other Details:***

The variable breakdown is as follows:

***The input variables will be:***

1. Age - Age of patient
2. Anaemia - 0 = No, 1 = Yes
3. Creatinine Phosphokinase - Number
4. Diabetes - 0 = No, 1 = Yes
5. Ejection Fraction - Number
6. High Blood Pressure - 0 = No, 1 = Yes
7. Platelets - Number
8. Serum Creatinine - Number
9. Serum Sodium - Number
10. Sex - Gender of patient Female =0, Male = 1,
11. Smoking - 0 = No, 1 = Yes
12. Time - Number

***Output variable (desired target):***

DEATH\_EVENT - 0 = No, 1 = Yes