

Heart Failure Prediction

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MACHINE
LEARNING

Introduction

WHAT?

Prediction of Heart Failure.



WHY?

Because we want to prevent the death risk of heart failure.



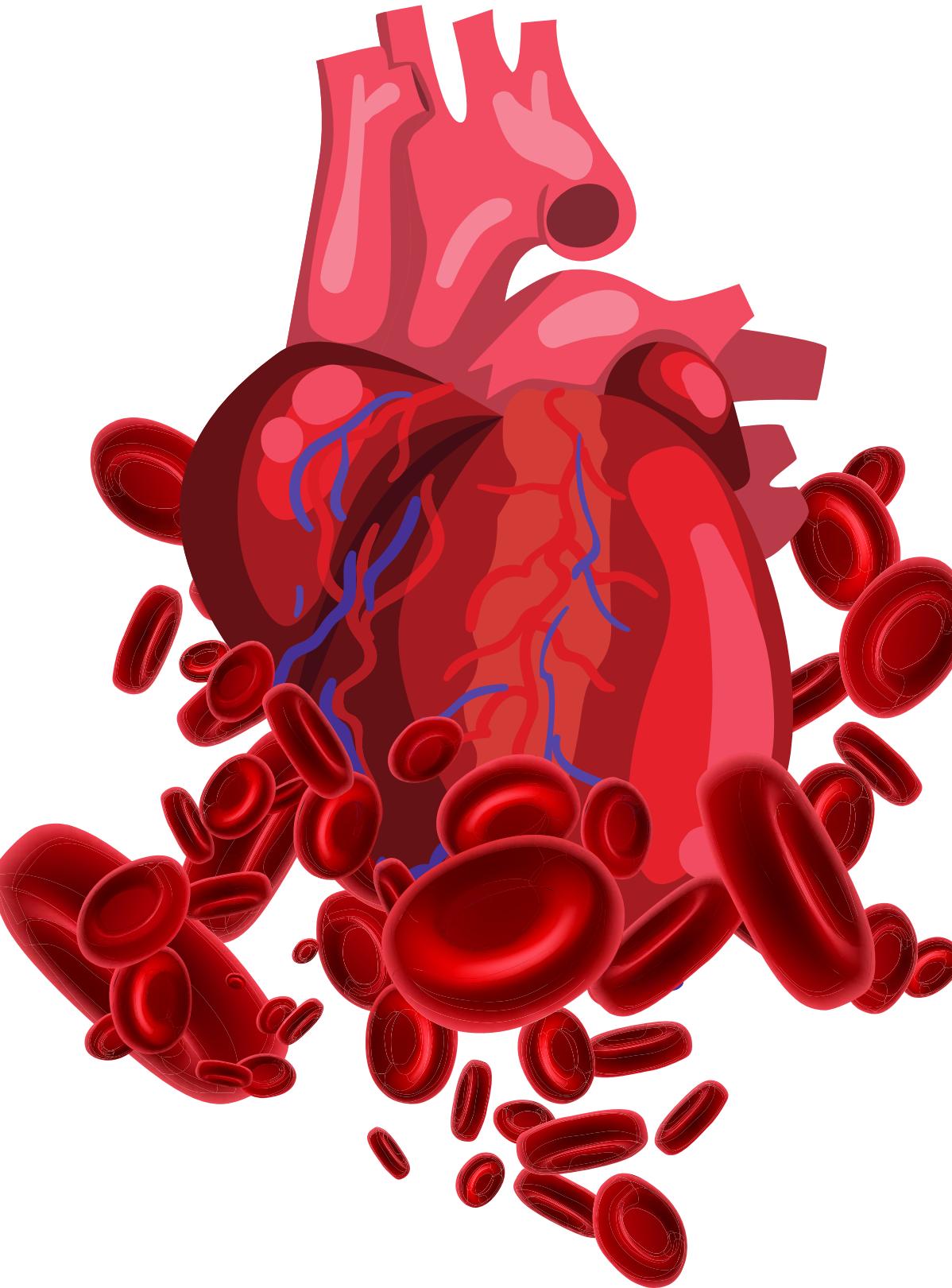
HOW?

From the data, our machine learning can predict if people will have a probability of having a heart failure using supervised learning.



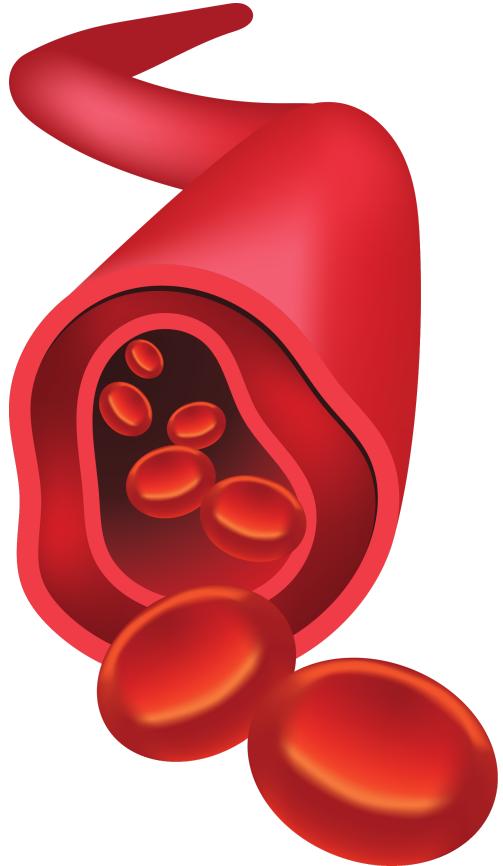
WHO?

people who have a potential heart failure



Resources

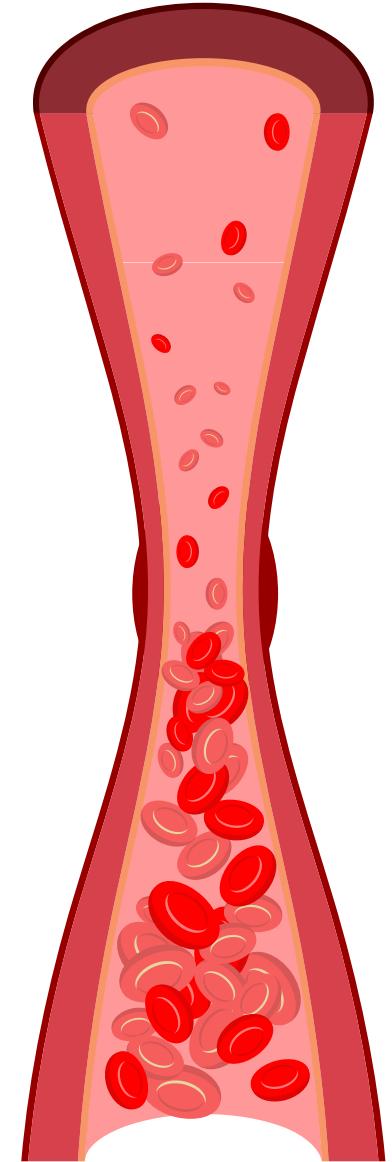
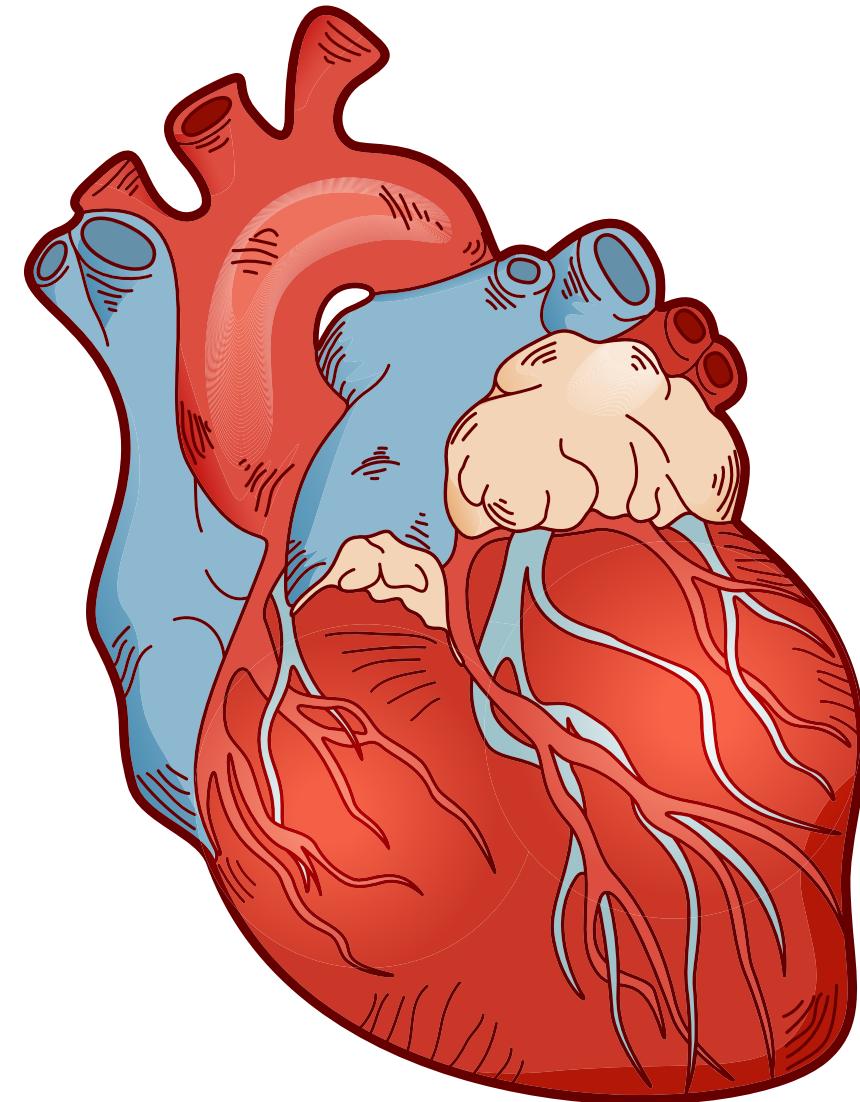
<https://www.kaggle.com/andrewmvd/heart-failure-clinical-data>



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Dataset

- age
- anaemia
- creatinine_phosphokinase
- diabetes
- ejection_fraction
- high_blood_pressure
- platelets
- serum_creatinine
- serum_sodium
- sex
- smoking
- time
- DEATH_EVENT



Machine
Learning

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How can we predict?

We will use **adaline** for classify the probability of people getting the heart disease.

Why?

We use the adaline method because **adaline** can predict using gradient decent which will give the result more accurate and optimal.

The output of this method will be using boolean which give either 0 or 1

Literature Review

source

Heart Failure Prediction
Using Machine
Learning Techniques

Prasanta Kumar Sahoo
Sreenidhi Institute of Science and
Technology
Pravalika Jeripothula
Sreenidhi Institute of Science & Technology
(SNIST)

December 15, 2020

Machine
Learning

Sahoo said that nowadays Machine Learning is very helpful for our lives, especially in the healthcare area. It happens because technology is getting smarter and more data is available. So Machine Learning can predict the worst case with accurate results and health authorities can prevent it sooner.

HEART FAILURE

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Architecture System



//07

What Have Been Done?

- searched for the dataset
- decided the method
- set the background

//08

What is Currently Doing?

- looking for more informations

//09

What Will Do Next?

- going to do an experiment

Thank you

谢谢