

IBM-Nalaiya Thiran



IBM-Nalaiya Thiran



IBM-Nalaiya Thiran



Visualizing and Predicting Heart Diseases with an Interactive Dash Board

Team ID : PNT2022TMID22030

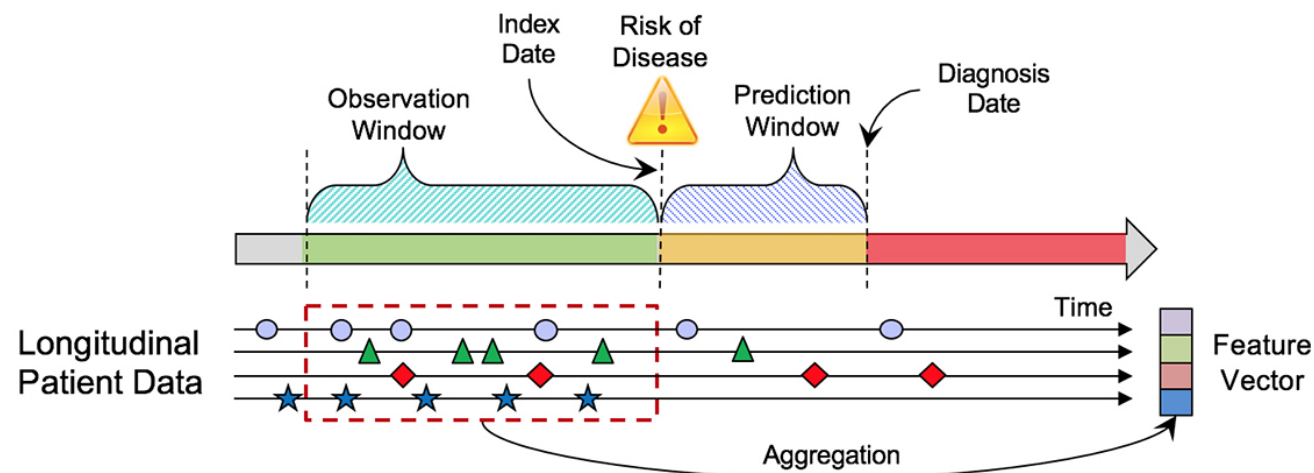
The leading cause of death in the developed world is heart disease. Therefore, there needs to be work done to help prevent the risks of having a heart attack or stroke.

[Get Started](#)[Watch Video](#)

IBM Cognos Analytics

Heart failure is very hard to detect early, but with the help of a National Institutes of Health (NIH) grant, a team of scientists at IBM Research partnered with scientists from Sutter Health and clinical experts from Geisinger Health System to study and predict heart failure based on hidden clues in Electronic Health Records (EHRs)

Using AI and science to predict heart failure



IBM-Nalaiya Thiran



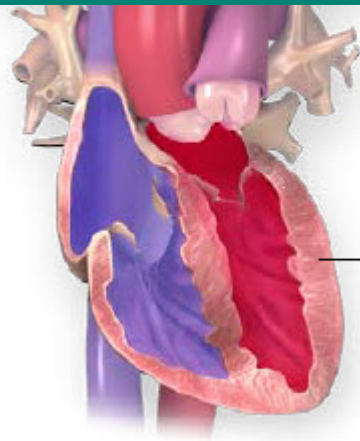
disease or not using machine-learning algorithm.

Machine Learning techniques can be a boon in this regard. Even though heart disease can occur in different forms, there is a common set of core risk factors that influence whether someone will ultimately be at risk for heart disease or not. By collecting the data from various sources, classifying them under suitable headings & finally analysing to extract the desired data we can say that this technique can be very well adapted to do the prediction of heart disease.

Today, doctors will typically document signs and symptoms of heart failure in the patient record and also order diagnostic tests for heart failure. Despite best efforts, a patient is usually diagnosed with heart failure after an acute event that involves a hospitalization where the disease has advanced with irreversible and progressive organ damage..

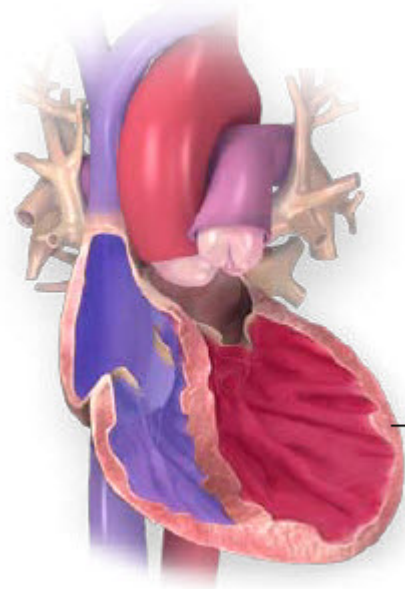
IBM has developed and applied several cognitive computing and AI technologies to analyze the patient data in the project including natural language processing and machine learning methods that supported our aims.

IBM-Nalaiya Thiran



has strong muscular walls which contract to pump blood out to all parts of the body.

Heart muscle pumps blood out of the left ventricle.



Heart Failure

is a condition that causes the muscle in the heart wall to slowly weaken and enlarge, preventing the heart from pumping enough blood.

Weakened muscle prevents left ventricle from pumping enough blood.

IBM-Nalaiya Thiran

**1**

Cholesterol Level It is a scientific fact that your body will not absorb cholesterol if you take it from another person's plate.

2

Thallium your diet is a bank account .Good food choices are good investments

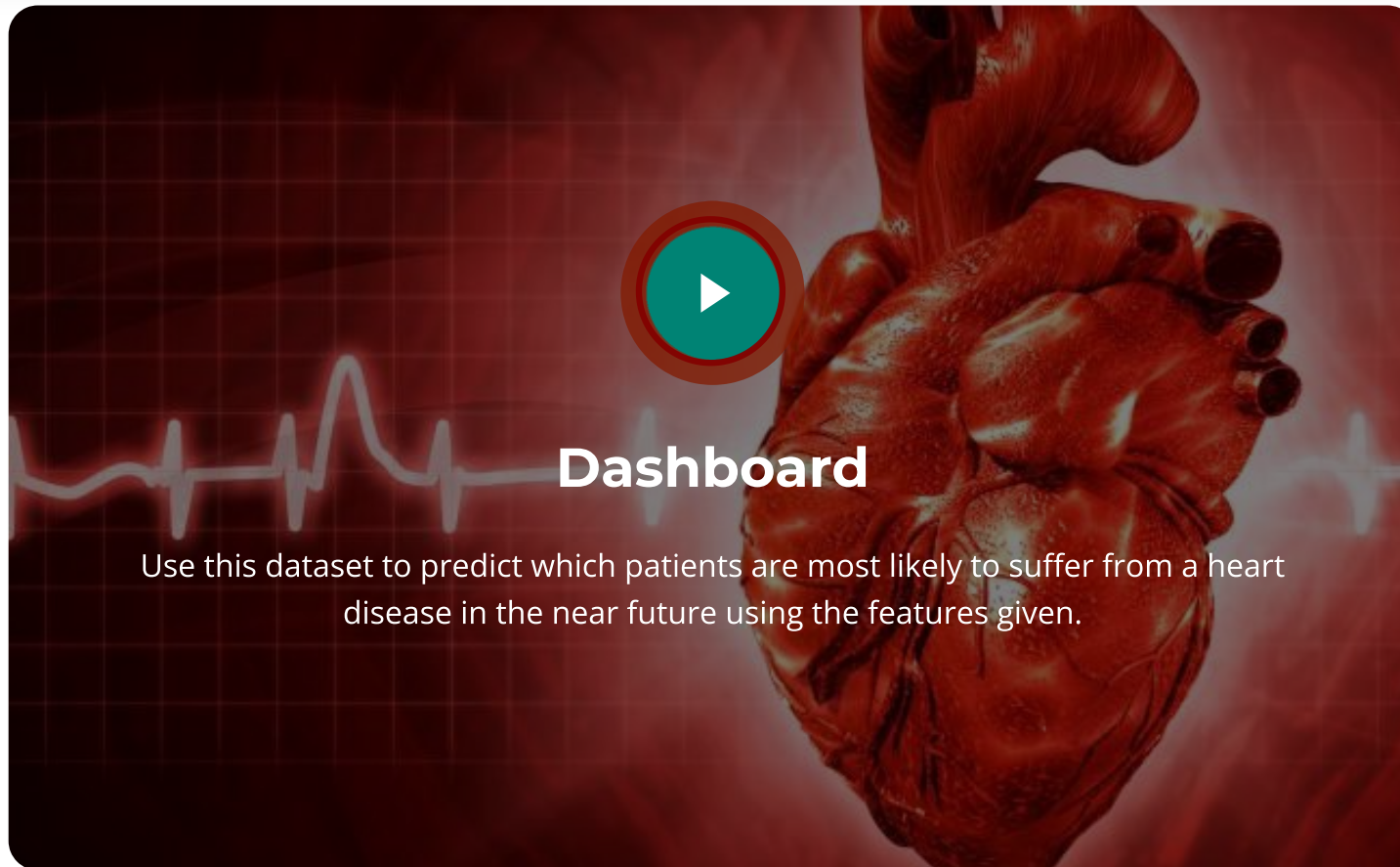
3

Exercise Angina Exercise should be regarded as tribute to the heart

4

ST Depression isn't a war you win. It's a battle you fight every day with yours heart

IBM-Nalaiya Thiran



Frequently Asked **Questions**

IBM-Nalaiya Thiran



1. What Causes Heart Failure?



2. If I Have Heart Failure, Do I Have to Stop Eating Salty Foods?



3. How Much Water Can I Drink?



4. What Type of Exercise Is Best for Someone With Heart Failure?



5. How Do I Know if My Heart Failure Is Getting Worse?



IBM-Nalaiya Thiran.

Visualizing and Predicting Heart Diseases with an Interactive Dash Board



IBM-Nalaiya Thiran

