

Visualizing and Predicting Heart Diseases with an Interactive Dashboard

What is the objective of heart disease prediction?

The goal of our heart disease prediction project is to determine if a patient should be diagnosed with heart disease or not.

What is the problem's impact?

The greatest cause of illness and mortality among people is heart disease. Blood pressure, cigarette smoking, cholesterol, and diabetes have all been risk factors.

Why is prediction of a problem statement important?

The correct prediction of heart disease can prevent life threats, and incorrect prediction can prove to be fatal at the same time.

What factors predict this issue?

The factors that predict this issue are age, gender, race, cholesterol, blood pressure, smoking history, and diabetes.

When should you get tested for the issue?

According to the American Heart Association, the following screening tests for coronary artery disease should begin at age 20, except for blood glucose screening which should begin at age 45.

Where is the problem occurring?

Coronary artery disease is a common heart condition that affects the major blood vessels that supply the heart muscle.

How to prevent this issue?

Lowering your cholesterol, eating a healthy diet, and being physically active are some methods to prevent this issue.

What is the future scope of the heart disease prediction system?

The future scope of this system aims at giving more sophisticated prediction models, risk calculation tools and feature extraction tools for other clinical risks.