Visualizing and Predicting Heart Diseases with an Interactive Dash Board

List of Problem statements

The leading cause of death in the developed world is heart disease. Cardiovascular diseases (CVDs) have now become the leading cause of mortality in India. Therefore, there needs to be work done to help prevent the risks of having a heart attack or stroke.

1. **Who does the problem affect?**

   - People who are above the age 40.
   - People who consume more oil foods.
   - People who addicted to smoking and alcohol.

2. **What are the boundaries of the problem?**

   - Accuracy of the data should be high.
   - Analysis of data should be almost equal to the real time scenario.
   - Accuracy of the result should be almost equal to hospital test.

3. **What is the issue?**

   - False data may lead to wrong prediction, which affects the accuracy of analysis.
   - Wrong prediction affect the mental peace of the patient.

4. **When does the issue occur?**

   The Prediction will be wrong, when

   - Entered data is false.
   - There is no sufficient data for analysis.
   - Important attributes are not used for analysis.

5. **Where is the issue occurring?**

   - Due to lack of research on data for analysis.
   - If we work without the evidence base.
   - If the condition of patient is not considered during analysis

6. **Why is it important that we fix the problem?**

   If we fix the problem,

   - The prediction will be accurate.
   - Statistics about health conditions of the society can be obtained.
   - Predictive Analysis of heart diseases in real time.
   - Improves the awareness about the heart diseases.