**Project Idea #1**

**Data Mining Project on Heart Disease Prediction**

Healthcare is a major domain where data mining tec hniques are widely used. If you are curious about data mining projects in healthcare, you should explore the heart disease dataset.

**Dataset:** The dataset contains 75 particulars of 303 people. These particulars include parameters related to an individual’s heart health like age, gender, serum cholesterol, blood sugar, etc.

**The project implementation steps will go as follows:**

* Understand the dataset attributes
* Apply the required data cleaning methods
* Detect outlier
* Implement different classification models to investigate the performance of each classifier on heart disease datasets.
* Mention your observations and study the parameters that play a vital role in determining the health condition of people’s hearts (ex. Gender-based analysis, age-based analysis, … etc.)

(What percentage of younger people are prone to be diagnosed with heart disease?

Are women more prone to heart diseases, or is it the other way? …. etc.)

* Visualize the result of data in plots (discover the potential plots to describe result )