Data Analytics Proposal: Project 4

Introduction

As healthcare practices continue to advance, early detection remains one of the best tools to aid in positive patient outcomes when dealing with diseases. One of the leading causes of mortality that plague millions of Americans and more throughout the world is heart disease.

This project aims to develop a machine learning model that has the ability to accurately predict the likelihood of heart disease. Utilizing this dataset with patient information, we will look to create a machine learning model that has the capability to accurately predict the likelihood of heart disease

After collecting and preprocessing the data, we'll split the data and train it. After evaluating and validating the models performance, we will utilize graphing techniques to make interpretation of the predictions easy to follow.

Datasets

IEEE Data Port

- https://ieee-dataport.org/open-access/heart-disease-dataset-comprehensive

Project Topics

- 1. Chest Pain Type
- 2. Blood and Cholesterol
 - a. Blood Sugar, Blood Pressure, Heart Rate
- 3. Presence or Absence of Heart Disease

Visualizations Examples

