* Introduction:

Cardiovascular diseases are conditions that affect the structures or function of someone heart. Cardiovascular diseases are the leading cause of death globally. The early prognosis of cardiovascular diseases can aid in making decisions on lifestyle changes in high-risk patients and in turn reduce the complications.

* Motivation & Dataset:

The dataset that we will be using for our prediction is taken form Kaggle. By using this dataset, we will be able to predict the number of people who will have cardiovascular diseases within ten years.

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| --- | --- |
| Gender | Male or female |
| Age | Age of the patient |
| Current Smoker | whether or not the patient is a current smoker |
| Cigs Per Day | the number of cigarettes that the person smoked on average in one day |
| BP Meditation | whether or not the patient was on blood pressure medication |
| Hypertensive | whether or not the patient was hypertensive |
| Cholesterol level | total cholesterol level |
| Systolic BP | systolic blood pressure |
| Diastolic BP | diastolic blood pressure |
| BML | Body Mass Index |
| Heart Rate | Heart rate level |
| Glucose | glucose level |
| Ten years risk | ten year risk of coronary heart disease |