Classification of Heart Disease

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***Abstract*—In this paper, an exhaustive search of machine learning models is performed to determine which is most suitable for identifying patients with heart disease. Descriptive statistics are given to provide useful insight along with the justifications of our pre-processing methods. Then, several models are trained to determine which is most suitable for classifying heart disease based upon precision, recall, and F1 score.**

***Index Terms*—Machine Learning, Heart Disease, Kaggle, UCI, Statistics, Healthcare**