Ahmedabad University

CSE523 - Machine Learning

Section: 1

Heart Disease Prediction - Report

Submitted to Prof. Mehul Raval

Group name: Bias_Variance_Dilema

Enrollment no	Name
AU1940155	Shubham Patel
AU1940110	Shrey Patel
AU1940207	Keyur Nagar

❖ Things we have done:

- We have used Gaussian Naïve Bayes' classifier on our training data set and test data set as well.
- Apart from this we tried to find the accuracy in the Naïve Bayes' algorithm and it turned out to be 86% which was slightly more than the Logistic regression classifier that we have done in the previous week.
- We have also gone through literature review of published papers to get knowledge of the implementation of Naïve Bayes' classifier.

❖ Things to be done:

- We will implement the coding of the studied algorithms in Python and try to achieve similar accuracy.
- Try to use other algorithms like random forest, SVM and Neural networks classifier to best fit our training as well as validation data set.
- Review more literature to find more algorithms and understand their working.
- In the end, we will try to deploy our model on the front-end website where the user can enter their values for the 13 parameters, and the model will detect the disease and show relevant results. This will ensure our model is widely used.