



**Ahmedabad
University**

CSE523 - Machine Learning

Section: 1

Heart Disease Prediction - Report

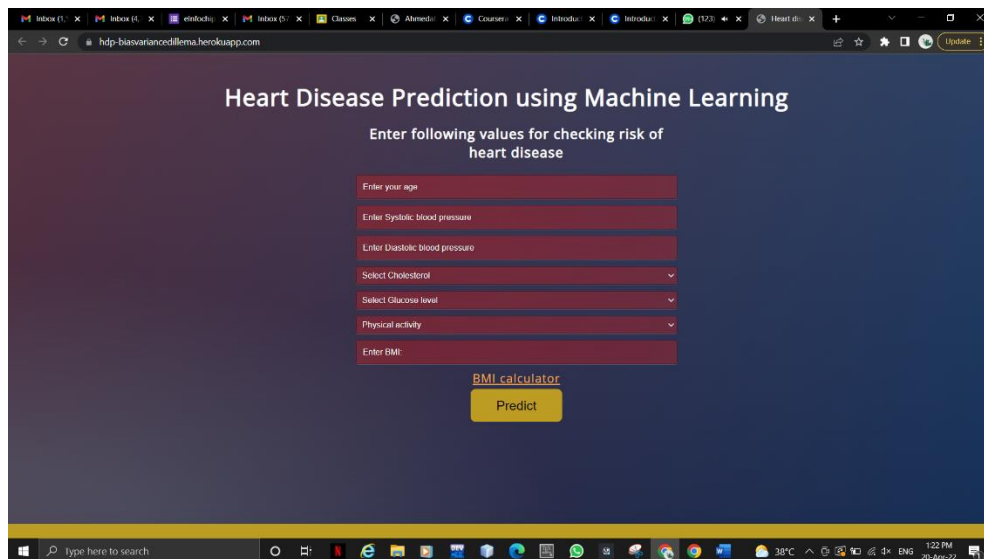
Submitted to Prof. Mehul Raval

Group name: Bias_Variance_Dilemma

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❖ Things we have done:

- We have used Ensemble classification technique in order to increase the accuracy of our model.
- We tried to using bagging method of the ensemble classification technique and by doing so we were able to increase the accuracy by 1%.
- Also, we were working on the user interface of our project and we were able to achieve that also. We connected the front-end and back-end of our model and have deployed the user interface on “Heruko” platform.
- Link for the same website is here “[Click here](#)”.
- Few screen-shots of our front end are as below:



Heart Disease Prediction using Machine Learning

Enter following values for checking risk of heart disease

Enter your age

Enter Systolic blood pressure

Enter Diastolic blood pressure

Select Cholesterol

Select Glucose level

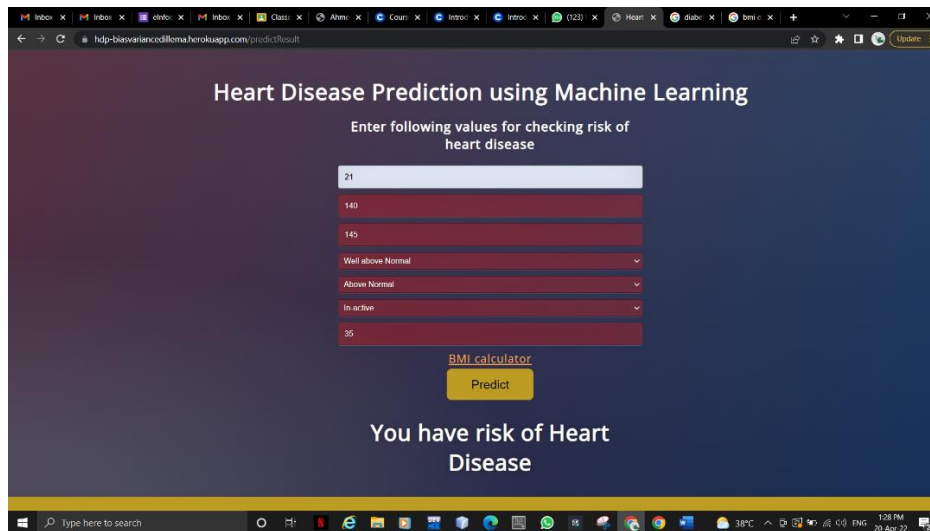
Physical activity

Enter BMI

[BMI calculator](#)

Predict

Above image is of the User-Interface



Heart Disease Prediction using Machine Learning

Enter following values for checking risk of heart disease

21

140

140

Well above Normal

Above Normal

In active

35

[BMI calculator](#)

Predict

You have risk of Heart Disease

Above image is when user enters values and is predicted to have heart disease

Heart Disease Prediction using Machine Learning

Enter following values for checking risk of heart disease

21

120

100

Normal

Normal

Active

25

[BMI calculator](#)

Predict

You are healthy!!

Above image is when user enters values and is predicted to be healthy

❖ Things to be done:

- We will work on our final report making and the final ppt preparation for the presentation in the upcoming week.