Ahmedabad University

CSE523 Machine Learning

Weekly Report - 5

Section - 1

Submitted to faculty: <u>Prof. Mehul Raval</u>

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2022-2023 (Winter Semester)

Tasks Performed: Model Building

Outcomes:

Decision Tree Results	
Red wine data set	White wine data set
| ```
Red Wine

Confusion Matrix:
 [[109  51]
 [ 45 115]]
Accuracy: 0.7
Score: 0.7
RMSE: 0.5477225575051661
``` | ```
White Wine

Confusion Matrix:
 [[ 400  262]
 [ 291 1007]]
Accuracy: 0.7178571428571429
Score: 0.7178571428571429
RMSE: 0.5311712126450916
``` |

The features chosen for the predictor were 'Residual Sugar' and 'Alcohol'.