Practical 1.-a

Aim: To calculate evaluation using sklearn
library (Regression matrix).

a) Nean Absolute Error:
Theory:

Mean Absolute Fror:
The MAE measures the avorage magnitude of the errors in a set of forecasts, without considering their direction. It measures accuracy for continuous variables. The equation Mean Absolute Error (MAE) is the average of all absolute errors in your

measuremens

The formula for Mean Absolute Error is:

MAE = 1 /20 21

where, no the numbers of error

Ez summation symbol

|xi-x1 = the absolute errors.

Code:

from sklear metrics import mean_absolute - error actual - values = [3, -0.5, 2, 7]

predicted_values = [2.5, 0.0, 2, 8]

print (mean_absolute_error (actual_values,
predicted-values))

Output:

=> 0.5

Conclusion:

Hence, we have successfully performed the calculation of Mean Absolute Foror (MAE) Using the Scikit-Learn library.