

AIML LAB EXTERNAL (2024 – 25)

SET – 1 (Linear Regression)

1. Implement simple linear regression on a dataset and plot the regression line.
2. Calculate the R-squared value of the model and interpret it.
3. Perform multiple linear regression with 2-3 independent variables and compare the results.
4. Plot the residuals and check for any patterns.
5. Compare the performance of linear regression with and without feature scaling.

DATASET URL: https://people.sc.fsu.edu/~jburkardt/data/csv/hw_200.csv