

1. Write a Python script that can compute the inverse of a 3×3 square matrix. You must not use any library functions.
2. Write a Python script that implements your Linear Regression Model for a multivariate linear regression problem. Use concepts of Linear Algebra to accomplish that. You must use your own built functions and modules and must not use any library functions for inverse or other purposes. You must show appropriate plotting. You must show the train accuracy and loss values along with appropriate plots. Do same for test loss and accuracy.

Use RealEstate csv file.

Note: You must write code as data science perspective. Do not implement numerical methods. You are allowed to use sklearn train test split method only.

At the end, you need to write a report based on the given template and need to submit the report within Wednesday. 27 April 2022.