

Lab 2 - Multiple Regression on the Boston Housing Data

1 Description

- Implement the prediction task, utilizing multiple linear regression, on the Boston Housing data set, utilizing several features. Study the provided examples in Matlab to understand how to build a model.
- Include a couple of categorical variables. Handle these variables appropriately, as discussed in class. Refer to the Matlab document “Regression with Categorical Covariates ” and Mendenhall, Chapter 5.

2 Additional Notes

You may utilize Python or Matlab libraries for the project.

3 Report

Write a brief report which has objective, tasks, algorithm and code description, and some results.

4 Lab Submission

Please submit the lab on the Blackboard in the provided link. It should include the following:

- The source code.
- The report in .pdf format.