CSE591: Mini Project 1

Due: 11:59 PM, 3rd Febuary 2017.

Spring 2017

This is an independent project. In this project you will implement a linear regression solver and use the given data to fit a linear regressor. You may choose to use any of the methods that were taught in class to fit the regressor. You may choose to use any of the tricks and tips that were taught (or perhaps you read up on your own) to solve the regresor as well. You regressor must be implemented with the structure provided along with the test script. A script similar to the test script will be used (the data created might be from different distributions) to evaluate your implementation. The lower the rmse score, the higher the grade that you shall receive. The API documentation for the test script and other methods are provided with the code itself in napolean format. For all the methods that you create, appropriate documentation must be provided in similar style.

Submission: Submissions will be handled through asu blackboard. You must submit all the codes used and developed during this project. The codes are expected to run along with the test script as specified. If it did not run and produced errors, you will receive no credit for the project.

The code must be handed in with MIT License only. The code must be written by you. Although you may seek advice from online forums. you shall not copy code from any sources. When in doubt, email the instructor for clarifications on borrowing code.

Academic Integrity: You are expected to maintain the utmost level of academic integrity in the project. Any violation of the code of academic integrity will be reported to the dean for official actions. It is an academic violation to copy, to include text from other sources, including online sources for both material and code, without proper citation and licensing. To get a better idea of what constitutes plagiarism, consult the ASU policy on student obligations. This is a serious violation and evidence of plagiarism or academic dishonesty, will likely result in failing the course and at worse can lead to disqualification from your degree program. Please contact the instructor before borrowing material when unsure. Your code might be run through a plagiarism checker.