

UTSA CS 6243/4593 Machine Learning Fall 2017
Problem Set No. 2

Issued: Thursday, September 14, 2017

Due: In class, Thursday, September 28, 2017

This assignment is due at the beginning of class on the due date.

Problem 1 (100 points)

1. Use (Maybe Modify) the linear regression code provided in the Blackboard. Run the linear regression algorithm on the training samples (linear_regression_data.txt). Get the learned linear function and the predicted results of the testing samples (linear_regression_data.txt).

The linear_regression_data.txt can be downloaded from Blackboard.

Note for machine problem:

For grading, you should hand in a printout of your C++ files and a concise report which should include all the necessary texts, figures, and labels, etc.

IMPORTANT:

- 1) **Submit your printed source code and output, and a short note of how to execute it.**
- 2) **You should also submit your zipped folder containing all your source (e.g., C++) files to Blackboard.**