

Machine Learning

ECE 4332 / ECE 5332

Spring 2018

Project 4

1. Use your implementation of the logistic regression approach to classify a dataset of your choice into two or more classes.
2. Select a real-world dataset from any of the following sources
 - a. <http://www.image-net.org/>
 - b. <https://archive.ics.uci.edu/ml/index.php>
 - c. <https://www.kaggle.com/>
 - d. et cetera
3. Write a brief report that includes
 - a. Validation of your implementation using synthetic data
 - b. Systematic evaluation of performance of logistic regression on real data
 - c. Training and testing times
4. This is a group project. No more than three students are to form a group and make a single submission.

Upload your m-file and report to Blackboard before midnight on March 29.