Home Assignment 2\_Part 2 (10 points)

Due on: 11 pm, Oct. 16th, 2020

# Description

Implement Incremental Extreme Learning Machine to deepen the understanding of the random network.

# Requirement

* (5 points) Write a python or MATLAB based codes for the Incremental Extreme Learning Machine. Students could use the codes of Fixed Extreme Learning Machine as their reference. Test the written code by using two datasets (one classification dataset and one UCI regression dataset).
* (2 points) Students need to report their testing accuracy/RMSE, training accuracy/RMSE, training time and testing time for each of the two datasets.
* (3 points) It is required to use one of the three classification datasets (CIFAR10, CIFAR100, and MNIST) to complete the assignment.
* CIFAR10/100 can be downloaded from <https://www.cs.toronto.edu/~kriz/index.html>
* MNIST can be downloaded from <http://yann.lecun.com/exdb/mnist/>