Home Assignment 2\_Part 1 (5 points)

Due on: 11 pm, Oct. 5th, 2019

Late policy: late submission will **not** be marked (no matter what reason)!!!

# Description

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

# Requirement

* 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 regression dataset).
* Students need to report their testing accuracy/RMSE, training accuracy/RMSE, training time and testing time for each of the two datasets.
* Some medium classification datasets are encouraged to use such as Mnist and CIFAR10.
* CIFAR10 can be downloaded from <https://www.cs.toronto.edu/~kriz/cifar.html>
* MNIST can be downloaded from <http://yann.lecun.com/exdb/mnist/>