Assignment-8

CE793: Machine Learning for Engineers

Due date 11/23/2020 (Monday)

Total points: 100 points

Instructions:

1) All assignments should be submitted to get a passing grade
2) Teamwork is encouraged.
3) Late submission will result in a 20% penalty.
4) Use Matlab or any other programming language for this assignment
5) Please do not ask me to debug your codes. I will be more than happy to take you through the algorithms once again if needed
1) Write a code for nonlinear Autoencoder with two hidden layers (2 neurons in each hidden layer) and use this to find the hidden representation of the data provided in Auto_encoder.xlsx and Auto_encoder_nonlinear_1_var.xlsx. (100 points)

Deliverable: code and h_1, h_2 values for both the datasets