

Please read this file before running the code
For Dear GA who may check my CA1.

1. In order to demonstrate the code in convenient way, I choose to use Live Script to run codes for each question. I have briefly commented each function used in the Live Script file. Simultaneously I try to comment on each keys line in my code to help with understanding the codes.
2. These codes' files contain a function file name **dataprocess** referring to data pre-processing (log-transform, binarization), 4 function files referring to each question (named **Q1,Q2,Q3,Q4**) and 1 Live script file named **Demo**. And the user needs to manually change the dataset file address in Live script before running codes for each question (commented in **Demo**).
3. According to requirement in topic. Each function of question 1,3,4 will output a figure containing 2 curves (**red dash-line** refers to training error; **blue line** refers to test error), the training and testing error with certain parameters required and the elapsed time of running each question in output window of Live script.
4. The function file of question 2 only outputs two values of error rates and elapsed time in the output window of Live script according to training and test data separately.

Please feel free to reach me via <mailto:e0679955@u.nus.edu>, if you meet some problem on checking my code. Thanks!