This is about how to tune parameters and build the optimal prediction model using deep neural networks.

Three examples will be used.

1. Recognizing digits (0-9) in MNIST dataset. Haipeng will explain the example. We will discuss about the tunable parameters (modules) and then try to optimize it. Ms. Zhuo He may join our discussion.
2. Screening the dementia. This is the continuation of Project 2 but we will use all the features and DNN to make the prediction.
3. We might still use the health risk prediction data, but will build the DNN models by ourselves. This may be our third project.

Data & code files: Please contact Haipeng.

On 10/3, Haipeng will give the first presentation about the codes of the MNIST data.

You should be able to build your own optimized DNN model.