

IE 534: Deep Learning HW2 Statement

Test Accuracy : **96.42%**

Finished training process! Used 6141.56 seconds

Model Accuracy: 0.9642

Implementation

In this assignment, I constructed a **one-layer** convolutional neural network with **3 channels**. The activation function of the convolutional layer is **sigmoid** function. The output layer applies **softmax** function.

Hyper-parameters setting

Learning Rate	0.01
Filter Size	5 x 5
Initialization Method	Xavier
Optimization Algorithm	SGD
Number of training epochs	5