Introduction to Deep Learning
Project 1

Due Date: 22/03/2018

You need to train three different neural networks inTensorflow using Fashion MNIST dataset (https://github.com/zalandoresearch/fashion-mnist), draw their visualization using your favorite drawing tool, and demonstrate their performance on the test and training set using figures. You may use 20% of your data as test set and the remaining as the training set. Your neural networks can have different number of layers and neurons. You will submit your source code (50%) and a project report (50%) (see the sample on LMS) that includes your setup, findings, and evaluations.
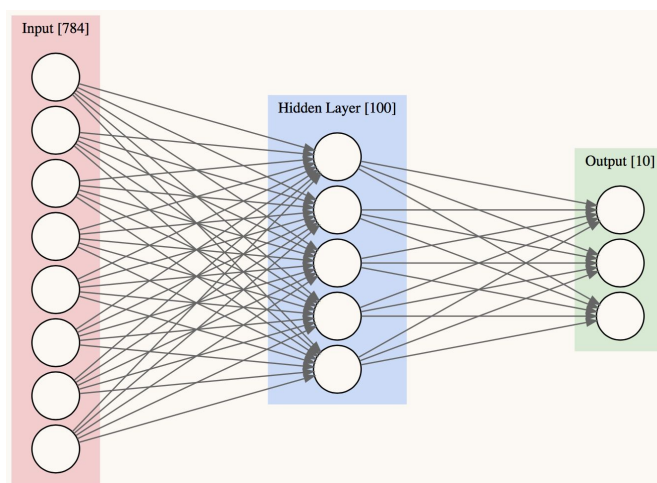

Figure 1. Example drawing for a neural network for the classification of MNIST dataset. It contains three layers, input layer, hidden layer, and output layer.

Figure 2. An example figure for the accuracy vs training step (epoch) for the MNIST data.