Introduction to Neural Networks – Assignment

In this assignment, you will build a complete neural network using Numpy. You will implement all the steps required to build a network - feedforward, loss computation, backpropagation, weight updates etc.

You have been provided with some starter code in the notebook below, you have to write the remaining part to create a full-fledged neural network. You only have to write code in cells marked '***#Graded'***  at places where '**# write your code here**'  is mentioned.

You will use the MNIST dataset to train your model to classify handwritten digits between 0-9.

The assignment is divided into the following sections:

* Data preparation
* Feedforward
* Loss computation
* Backpropagation
* Parameter updates
* Model training and predictions