

# MLP Exercise

COMP47590

## 1 Question

Using the network setup in Figure 1 perform the following tasks:

1. Perform a forward propagation pass through the network
2. Calculate the loss associated with the training instance
3. Perform a backward propagation pass through the network
4. Perform a weight update within the network using a learning rate,  $\alpha$ , of 0.001

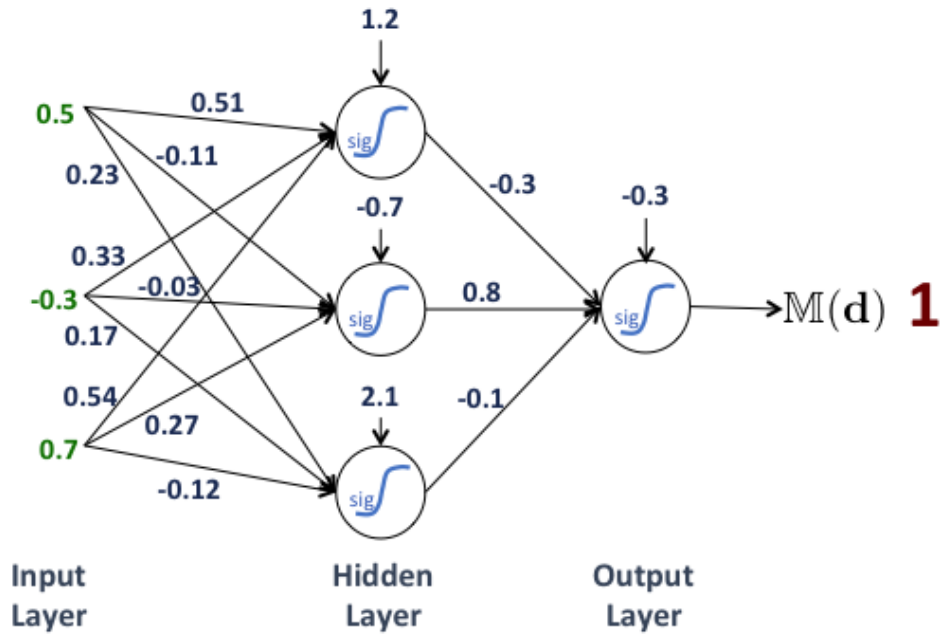


Figure 1: An MLP network and association inputs, weights, biases, and target