Math 874 HW-2 Justin Anguiano

## Part-1 Feed forward NN

- $\bullet~3$ hidden layers, 800 neurons in hidden layers
- $\bullet\,$ rel U hidden layers, softmax last layer
- $\bullet$  utilizes batch training for 1 epoch with n=30 batchsize
- uses exercise 2 MNIST data set
- uses backpropagation in gradient descent with cross entropy loss

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Part-2 mnist evaluation

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Part-3 Architecture testing

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