

- a. I couldn't do pretty much anything because I did not have enough time to work on it.
- b. The most significant effects occurred when I changed the activation function to RELu from sigmoid, when I adjusted the learning rate and when I adjusted the alpha factor of the Regularizer.

I received the highest score with the default parameters:

```
n_iters = 10000
learning_rate = 1
n_hidden_nodes = 32
reg = Regularizer(alpha=0, penalty="l2")
layers = [
    SigmoidActivation(),
    # FullyConnected(n_hidden_nodes, n_hidden_nodes, regularizer=reg),
    # SigmoidActivation(),
    FullyConnected(n_hidden_nodes, 1, regularizer=reg),
    SigmoidActivation()
]
```

All the adjustments I made decreased the test accuracy.

