**1. What parameters did you change?** **What values did you try?**

1**:** Optimizer. Adam was replaced with Adamax.

**2:** NN layers. Added another additional hidden layer.

**3:** Number of iterations. Tried changing the iteration to 500 as well as >50000

4. Change threshold

**2. Did you try any other changes that made things better or worse? Did they improve or degrade the model?**

Changing Adam to Adamax seems to improve the loss, whereas adding additional hidden layers didn’t help much. However, reducing the threshold also improve the loss.

## 3. Based on what you observed, what conclusions can you draw about the different parameters and their values?

Making deeper Neural network doesn’t help the cause. Tweaking hyper parameters like optimizers provide better results.