Here's the code to train the neural network. I've set the optimal learning rates and

I've picked 400 epochs for which to train. I'll now train the neural network for the 400 epochs.

Once it's trained, I can use it to forecast for the validation range and plot the results.

On all my plot, I can see that my prediction isn't too bad other than this plateau,

which is definitely going to impact my MA in a bad way. But despite that my MA is only

about 6.41, so it's not too bad. If I plot the MA and loss for training, I'll see this.

Showing that while it looks quite flat after about epoch 50,

it was actually still reducing slowly, and when we zoom in,

we can see that. We saw instability after about epoch 400 earlier,

so I just stopped training at that point. so I just stopped training at that point.