Meeting 9 notes

Gabe M Yawitch

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1 To do list

1. Prune and clean up code.
   (a) Eg why is there nvox and batch size in the neural network.
   (b) Snighda said batch size is are known as a Hyper -parameter, they influences the speed/ performance of the code, but shouldn't be needed within the forward function
   (c) I think in general I need to clean up the comments, add the units in most places, and delete commented out code.
2. Remove hard coding in the limits and initial values. Create a variable instead.
   (a) remember to use self. for the neural network, if it is needed there.
3. Work through the NLLS function very slowly and implement it correctly.
   (a) Compare to matlab, use NSF and univols for the calculation.
   (b) Need to set the tm to infinity at certain points, so remember to add this from the matlab code. I already do it in the simulation functions.
   (c) Be careful with units, consider hard coding in seconds, and then convert to milliseconds within the functions and then convert back at the end in the same way Elizabeth did it.
4. Create scatter plots for the NLLS fit, the same as the ones for the NN, so can see if the function is working or not.