Meeting 9 notes

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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.~~