**Minutes**

09/12/22

* Refreshed project ideas discussed in last meeting due to break.
* Discussed the training loop.
* Hyperparameters within the training loop:
  + learning rate – how big steps are after each batch.
  + L2 decay – regularisation – smoother functions – helps models generalise better.
* Discussed training/validation/testing sets – 60/20/20 is a possible split.
* When experimenting which parameters are best to use can do one at a time. Having a full grid search with every hyperparameter would be very computationally expensive.
* When model is published – train on all of your data. That will mean the model should be at least as accurate as using just the train set. More data helps improve models, so it is likely using the other data sets will give us a more accurate prediction model.

Goals for next week:

* Have status report written up.
* Refactor Dataset class get item for 20 channel input into 1D convolution.
* Refactor model for 1D convolution.
* Work on training loop.