

Fig A19

Validation and training accuracy and loss graphs from the 20k-epoch training session

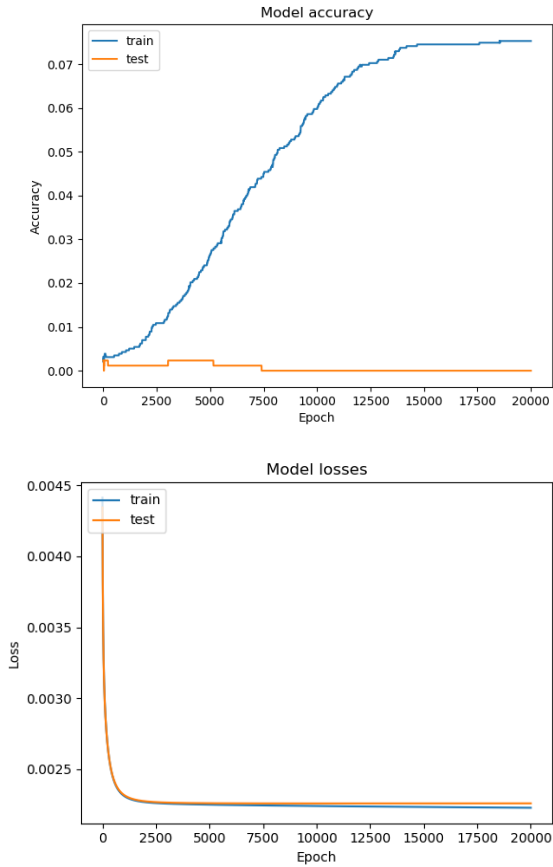


Fig A20

Beginning of the data of NN training accuracy and losses from the 20k-epoch training session

TRA 41201, ReLU/Orthogonal	VAL 41201, ReLU/Orthogonal
0.00310559	0.002328289
0.00310559	0.002328289
0.00310559	0.002328289
0.00310559	0.002328289
0.00310559	0.002328289
0.002717391	0.002328289
0.002717391	0.002328289
0.002329193	0.002328289
0.002329193	0.002328289
0.002329193	0.002328289
0.002717391	0.002328289
0.002329193	0.002328289

Fig C16

Email to Ma'am Kiel
Granada

R3-A09 Progress Report (Dec 5)



Joachim Alfonso Navarro

to Kiel ▾

9:42 PM (0 minutes ago) ☆ ↶ ⋮

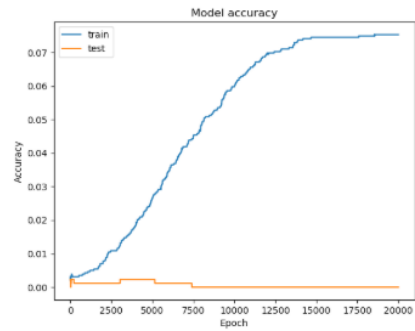
Good evening ma'am!

This week is the last week of implementation, and we are essentially done with our project.

We did 20,000 epochs of training after configuring the network (as best as possible) to save as the training accuracy goes up. Since Keras (the framework we're using) only allows us to save by checking *validation* parameters, we chose to save by *validation loss*, as that seemed to consistently decrease (as is to be expected). This pretty much worked for us.

Unfortunately, our accuracy plateaued above 7% at around the 13,000 epoch mark. Too bad.

Here are our results for the final 20,000 epoch training session:



We will be reporting this on the 10th of December at SHBEx 2D at 11:20am.
Thank you ma'am.

Joachim Navarro
R3-A-09

Fig A21

Aggregate 30K-
epoch graph

