

Daily Log

Tuesday January 21

Finished debugging code for training parameter sharing models / clustering to work with previously-coded GCNs

Began debugging combined multitask GCN code

Thursday January 23

Read Ruder article on multitask learning in neural networks, specifically the section about the differences between methods for multitask learning (hard parameter sharing model vs. soft parameter sharing model)

Continued debugging combined multitask GCN code

Wednesday January 29

Began working on second quarter presentation

Thursday January 30

Continued debugging combined multitask GCN code

Finished working on second quarter presentation and began working on presentation script

Monday February 3

Finished working on presentation script

Tuesday February 4 and Thursday February 6

Gave second quarter presentation and listened to classmates' presentations

Timeline

January 26	Finish combining multitask and GCN networks	Almost done, a little more debugging to do
February 2	Finish combining multitask and GCN networks, test and tweak multitask GCN to improve accuracy	Worked on presentation instead
February 9	Finish combining multitask and GCN networks, test and tweak multitask GCN to improve accuracy	Listened to presentations throughout the week
February 16	Finish combining multitask and GCN networks, test and tweak multitask GCN to improve accuracy	
February 23	Test different convolutions to improve accuracy	

Reflection

My main goal for the week of January 20 - January 26 was to finish combining the code for the multitask and GCN networks so that I could have a functioning multitask GCN by the end of the week. I also took a break from coding in the middle of the week to review the differences between hard parameter and soft parameter sharing models to better understand how the differences in code between them. Unfortunately, the multitask GCN network does not completely function yet, and I spent most of the past two weeks either working on my second quarter presentation or listening to presentations. However, I am working on debugging and am optimistic that it will work by the end of this week. From there, I hope to tweak some of the layers in order to improve its accuracy and get an idea of how effective the network is right now. I will also look into using some of the different convolutions I implemented earlier in the year to continue improving accuracy in upcoming weeks.