

Journal Report 19

3/2/20 - 3/8/20

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Period 2, White

Daily Log

Monday March 2

Continued trying to increase accuracy for LUMO GCN model

Thursday March 5

Began trying to improve accuracy for mu GCN model

Timeline

February 23	Improve accuracy for HOMO and LUMO models	Some progress, but I want to continue trying to improve accuracy
March 1	Continue improving accuracy for HOMO and LUMO models	Realized I was using the wrong model, so I want to keep trying to improve accuracy for LUMO
March 8	Continue improving accuracy for LUMO model and other underperforming properties' models	Did some work on LUMO model and began work on mu model
March 15	Continue improving accuracy for mu model	
March 22	Continue improving accuracy for LUMO and mu models or begin work on other underperforming properties' models	

Reflection

My main goal for this week was to continue improving accuracy for the LUMO model. However, judging by the comparisons of numbers produced by the model with the actual values, I felt that I was not making as much progress as I had made in earlier weeks. Therefore, I decided to pause working on the LUMO model after Tuesday and instead look at the mu model, which also performed poorly on the winter goal demo (16.8% error). I did not recalculate the percent errors for LUMO or mu after this week's work, but I plan to do so at the end of the upcoming week. For the next few weeks, I will be working on improving the mu model and possibly revisiting the LUMO model. In the upcoming weeks, I also plan to work on the models for A, B, and C, which were the only other models with greater than 5% error on the winter goal demo.