Notes MTH 332:Mathematical Statistics for Week of 3/29/2020

Monday 3/29:

Had issues with laptop, was not able to work on project over the weekend or today

Tuesday 3/30:

Went over previous class material

Wednesday 3/31:

Met with Professor Davis regarding the project
Went over what a P-value is and how to really understand it
Went over specific examples to try and understand the p-value
Went over assumptions of a t-test

Thursday 4/1:

Completed Descriptive Statistics for First Data Set
Plotted Histogram of Group A and Group B and Compared seeing if there is visual evidence of a statistical difference.

Friday 4/2:

Generated pseudo group A and pseudo group B
Calculated difference in mean gains for these groups

Saturday 4/3:

Worked on incorporating while loops to repeat calculations 250,000 times to find difference in means and generate some reference data
Thought of limitations of only sampling 250,000 out of $1*10^{45}$