

Notes MTH 332:Mathematical Statistics for Week of 3/22/2020

Monday 3/22:

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

Tuesday 3/23:

Went over previous class material

Wednesday 3/24:

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 3/25:

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 3/26:

Generated pseudo group A and pseudo group B

Calculated difference in mean gains for these groups

Saturday 3/27:

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 $1 * 10^{45}$

