

# Notes MTH 332:Mathematical Statistics for Week of 4/12/2020

## Monday 4/12:

Reviewed objectives of logistic regression report

## Tuesday 4/13:

Started to research logistic regression by reading Chapter 1 of textbook given to students

## Wednesday 4/14:

Continued Research into logistic regression by watching videos

Followed studies for logistic regression to understand the benefit compared to linear regression

## Thursday 4/15:

Took notes for different methods of logistic regression

Conducted 1st study to determine proportion of success for given summing 6 predictor values

## Friday 4/16:

Finished 1st study and analyzed results

Plotted results and found the estimated probability of success was in the shape of an S-curve

## Saturday 4/17:

Started single-variable logistic regression for predictor variables