

Notes MTH 332:Mathematical Statistics for Week of 4/19/2020

Monday 4/19:

Picked up on single-variable logistic regression
Tabulated results for multiple predictor variables

Tuesday 4/20:

Finished single-variable logistic regression for all predictor variables
Tabulated and plotted actual success compared to logistic model

Wednesday 4/21:

Categorized variables into different characteristics of students
Conducted gender study

Thursday 4/22:

Started multi-variable analysis for logistic regression
Evaluated each of the 4 sub-categories using this multi-variable logistic regression

Friday 4/23:

Changed academic performance to eliminate cumulative GPA and number of credits earned
Started optimization study to find lowest number of predictor Variables needed to have a high accuracy

Saturday 4/24:

Finished iterative approach
Summarized results and tabulated data

