**Introduction**

My goal is about determining if getting into colleges with lower acceptance rates actually affects the time it takes for a person to graduate within 4 years. The data I will be using to conduct this research is found from the “Most Recent Institution-Level Data” on the website <https://collegescorecard.ed.gov/data/> . I thought this would be an original idea because a lot of students and/or parents stress over getting into a good college and most if not all colleges that are considered “good” typically have a low acceptance rate. There seems to be a misconception that schools with a lower acceptance rate ultimately provide a better education to those colleges of higher acceptance rates. This may lead people into believing students who attend lower accepted schools work harder to graduate on time compared to students who attend higher accepted schools. But there are a lot of factors that may impact a student’s ability to graduate within 4 years and those factors can include, their health, part-time job, family obligations, mental and physical state, disabilities, and etc. so it wouldn’t be right to automatically assume that schools with lower accepted schools guarantee or increase the chances of graduating on time. From this, I hypothesize that there will be no correlation between a school’s acceptance rate and a student’s time of graduation. There was some similar research regarding school admissions and post-college aspects, but none of them tried to analyze a school’s acceptance rate on graduation rate. One study analyzed a person’s wealth on their quality of education while another study analyzed students who go to work during college and their income after college.

**Data Exploration & Methods**

From the dataset chosen, there a total of 2989 variables and 6681 observations. The variables of interest include “INSTNM” (institution name), “CITY”, “STABBR” (state), “REGION”, “ADM\_RATE” (admission rate), and “c100\_4” (completion rate within 4 years). All other variables from the original data will not be used since I will only be focusing on analyzing completion rate and admission rate of different institutions. Any variables including SAT, ACT, number of degrees, gender, affiliation, etc. will not be used since they are not necessary for my goal.

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