


Capstone Project 1

03-10-2019

Overview

Capstone Project is to see if there is a correlation between student SAT scores and different aspects of students' backgrounds. This information would be valuable for schools to enhance their curriculum, for parents in choosing school systems for their children, and for different financial institutions that may offer fundings and scholarships based on student merit.



Problem Statement: Financial institutions want to create a fair way to offer funding and scholarships to students. The outcome of this capstone offers useful information to financial institutions to insure the selection process for, let's say, student scholarships is honorable.

Ideas:

1. School and SAT score. Does the particular school(eg. Private vs public school) correlate to a student's SAT score and acceptance into college?
2. Economic background and SAT score. Does the student's economic background correlate to a higher or lower SAT score?
3. Location and SAT score. Does where a student lives show any trends or correlations on a student's SAT score?
4. Data from data.gov(SAT scores and schools/district),
collegescorecard.ed.gov/data/(SAT scores and colleges data),
And bls.gov(data of area vs socio-economic background/salary) will be utilized.

The following is a CSV data sample set that will be utilized:

Most-Recent-Cohorts-All-Data-Elements.csv