**Project 1:** look at aggregate SAT and ACT scores and participation rates in the United States. We'll seek to identify trends in the data and combine our data analysis with outside research to address our problem statement.

**Supporters** of these tests argue that these scores can be used as an objective measure to determine college admittance.

**Opponents** of these tests claim that these tests are not accurate measures of students potential or ability and serve as an inequitable barrier to entry.

Good data science problem is **specific and conclusive**.

* As personal wealth increases, how do key health markers change?
* Where in California do most people with heart disease live?

Finding out your problem statement

* What do you want to solve?
  + Example: A new SAT format was released in 2016. Since then, levels of participation in multiple states have changed. This project aims to explore trends in SAT and ACT participation for the years 2017-18 and seeks to identify states that have decreasing SAT participation rates
  + Since the new SAT format was released in 2016, the national college board would like to find out if there has been any impact on the SAT scores. This project explores the trends in SAT and ACT scores for 2017-2018 and endeavors to detect states which may need assistance for SAT preparation for their students
* Who is your project going to help?
  + The college board
* What data will you use? Your data you use should answer some of your questions that should aim to solve problem
  + Rank the top states by SAT scores for 2017 and 2018 and show the trends
  + From there, find the bottom 5 and top 5 states
* Based on these questions, what kind of value does it bring to your audience?