

ACT and SAT

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**3 YEARS ago I took my first ACT
and it was free and there were ACT-PREP**

The Problem is, in the present, I still haven't taken a single SAT test, and the thought of taking it has never crossed my mind.

However, my friend took it... So I wonder...
Would I have scored better if I had taken the SAT?

THE DATA: 2017-2019

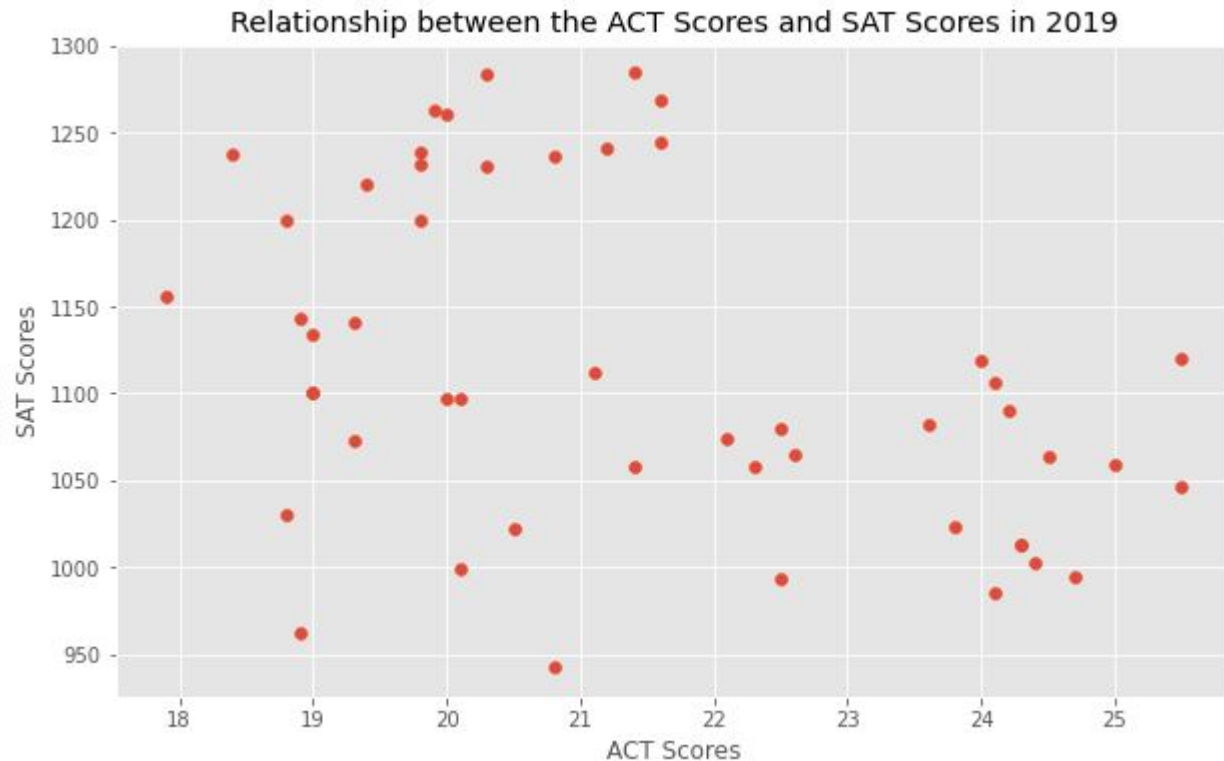
ACT and SAT Scores and Participation Rates

I want to confirm that performing well on the ACT has no effect on how well you will perform on the SAT and vice versa

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Through my findings:

There is no correlations, but note that there is no states that perform well in both SAT and ACT



What Tests are the States making mandatory?

— — — Data from testive.com:

ACT:

- Alabama
- Hawaii
- Kentucky
- Louisiana
- Mississippi
- Missouri
- Montana
- Nebraska
- Nevada
- North Carolina
- North Dakota
- South Carolina
- Utah
- Wisconsin
- Wyoming

SAT:

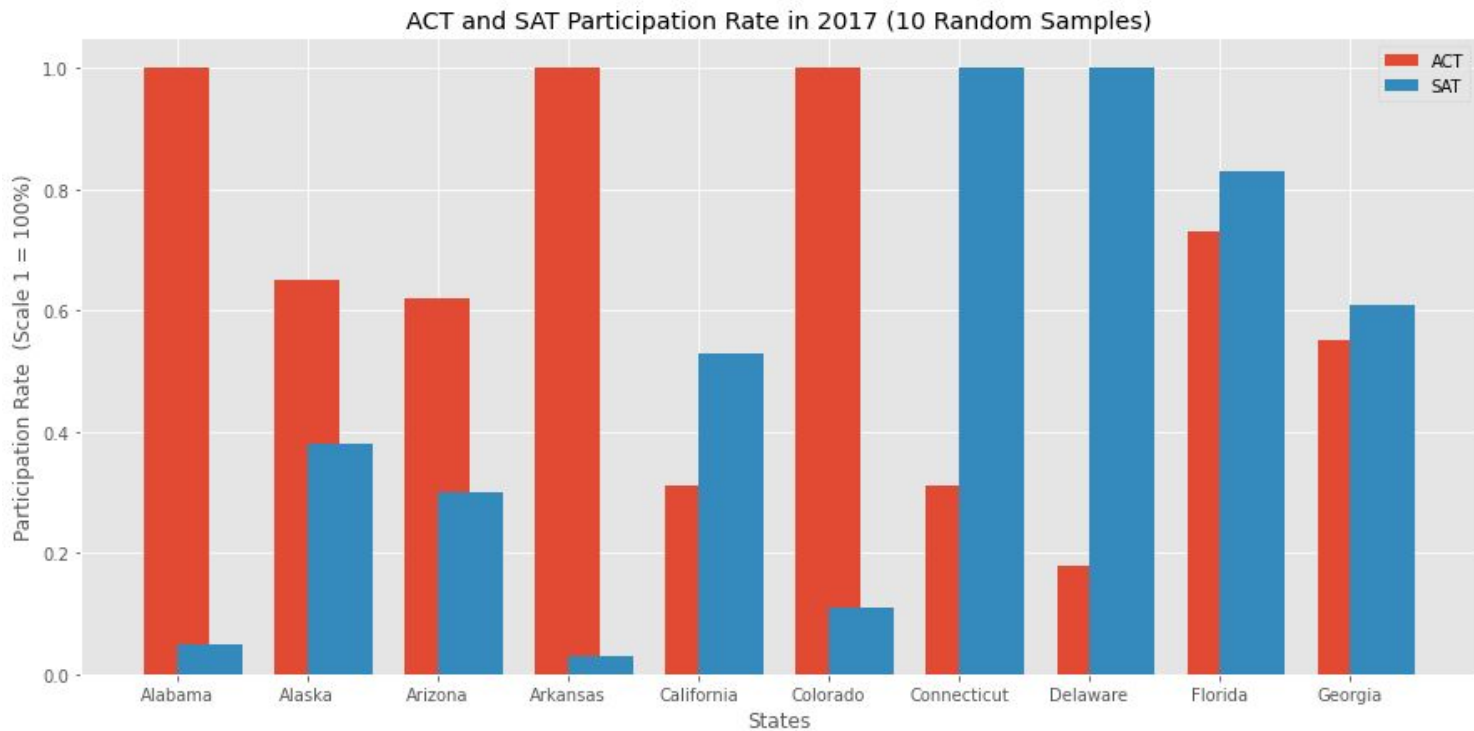
- Colorado
- Connecticut
- Delaware
- District of Columbia
- Illinois
- Maine
- Michigan
- New Hampshire

Either:

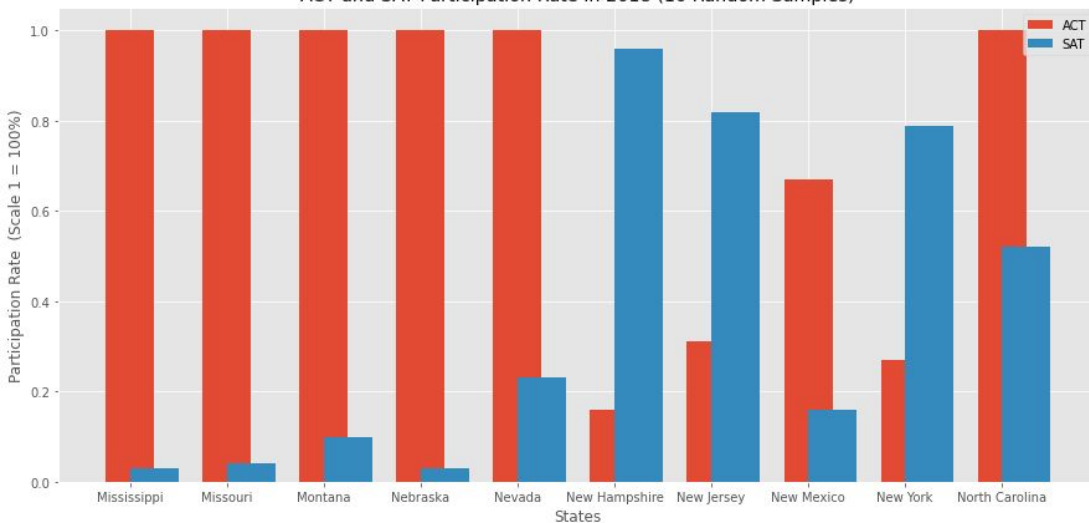
- Idaho
- Ohio
- Tennessee

Participations

Most states lean heavily to one test
Because only one test is mandatory
Note that the mandatory test is given to students for free



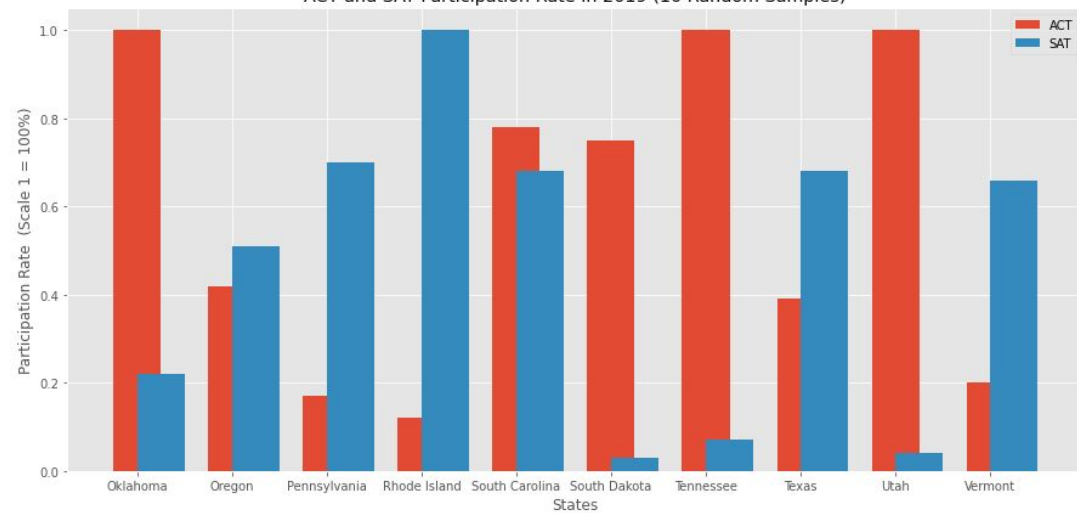
ACT and SAT Participation Rate in 2018 (10 Random Samples)



2018:
This is the same case as well

2019:
The trend continues

ACT and SAT Participation Rate in 2019 (10 Random Samples)

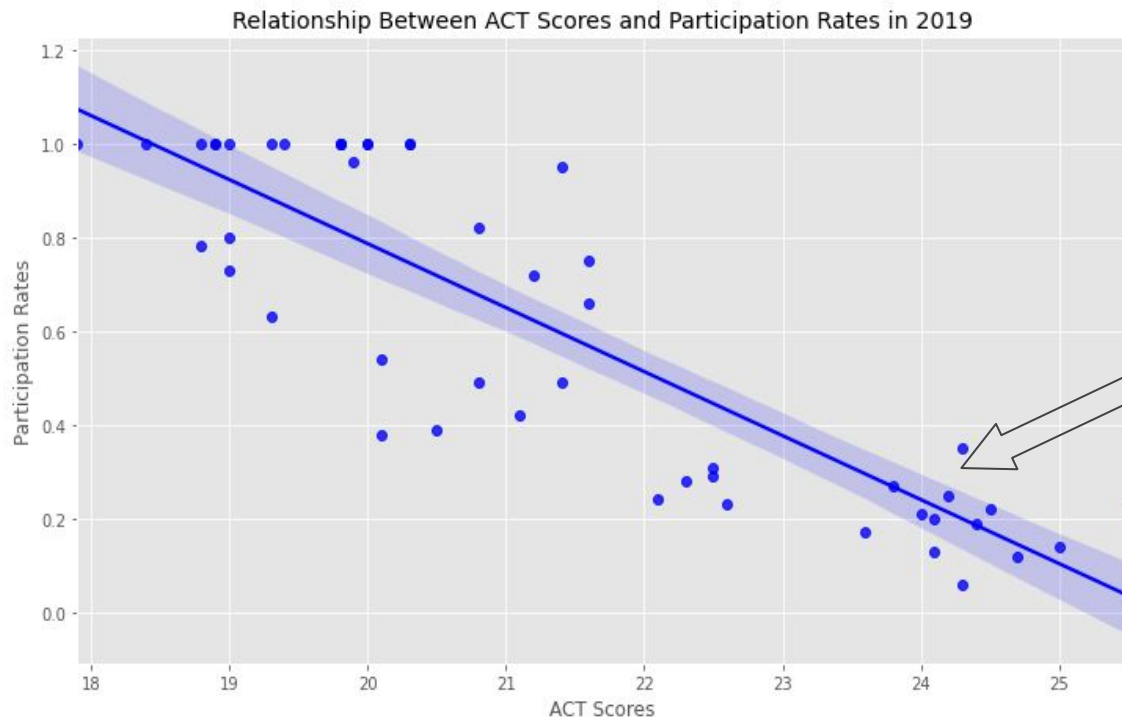


The problem with the differences in participation rates

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Most students are not attempting both tests, which means their strength may have gone unnoticed. This could be the result of lack of preparation and support from schools and state governments for both tests.

LOW Participation rates = Higher Average Scores



In states that have ACT as mandatory tests, the performance on their SAT is significantly higher

Despite the support from the state governors (ACT prep, Free ACT exams, ACT exam taking tips)

Causes

1. Many students who are forced to take the either test may not need them, so they didn't perform at full strength. This aims toward students who does not plan to attend college
2. Students who are in ACT mandatory states that takes the SAT actually decided to take the SAT themselves. This mean they will study and prepare themselves before hand and vice versa.

The students who took the ACT didn't perform so well,
so they tried the SAT and perform better due to
differences in pacing and formatting

Conclusion

Most states are heavily leaning towards only one test. The support and resources that the students are receiving is on one of the two tests. This can be problematic for students who are can perform better on test that the state didn't mandate.

Based on the data, it is suggested that students should be given the opportunity to take both tests, due to differing strengths and weaknesses of each individual student.

THANK YOU FOR YOUR ATTENTION