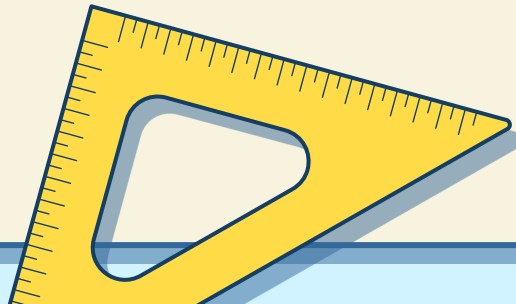
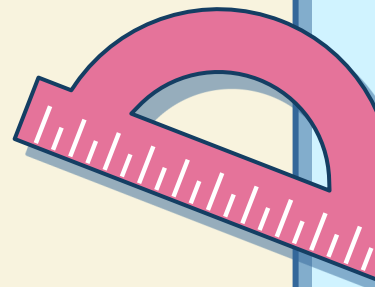


by : Tan Ming Jie

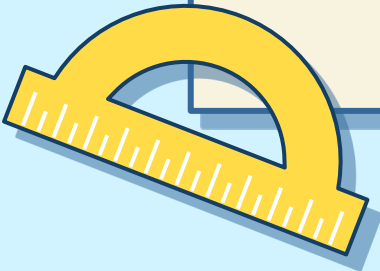
# Data Analysis of SAT Participation



**Who am I?**



**College  
Board**



# Problem Statement

The new format for the SAT was released in March 2016. Since then, levels of participation in multiple states have changed with varying legislative decisions.

# Project Aims

01

Explore trends in SAT and ACT participation

02

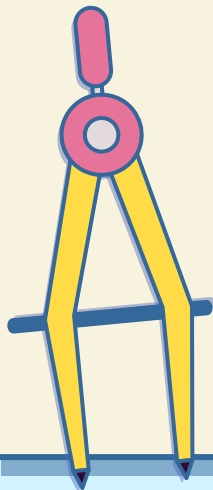
Identify states low participation

03

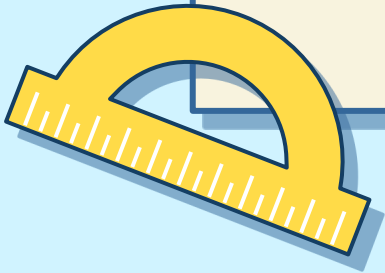
Identify Factors for low participation

04

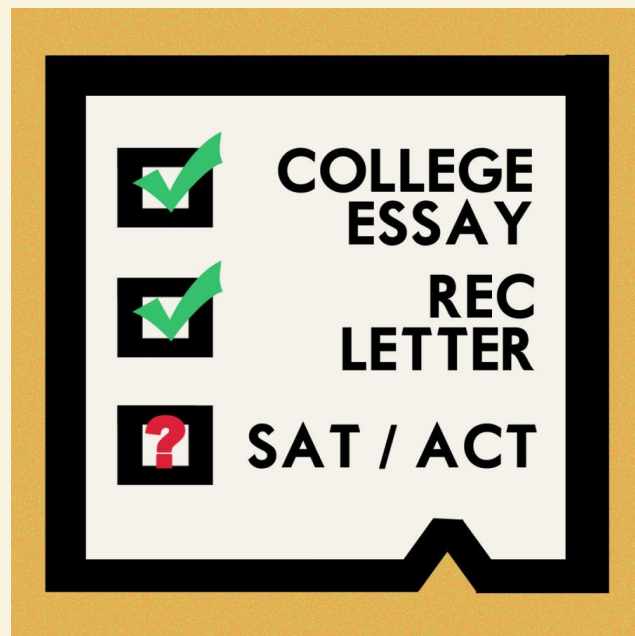
Provide recommendations to increase SAT participation



# Research Findings



# Test-Optional Policy



# Test-Optional Policy



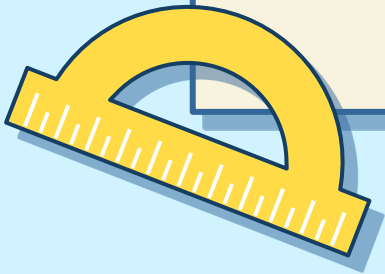
## According to research

Research has repeatedly proved that students from wealthy families score higher on the SAT and ACT, compared to students from low-income families.

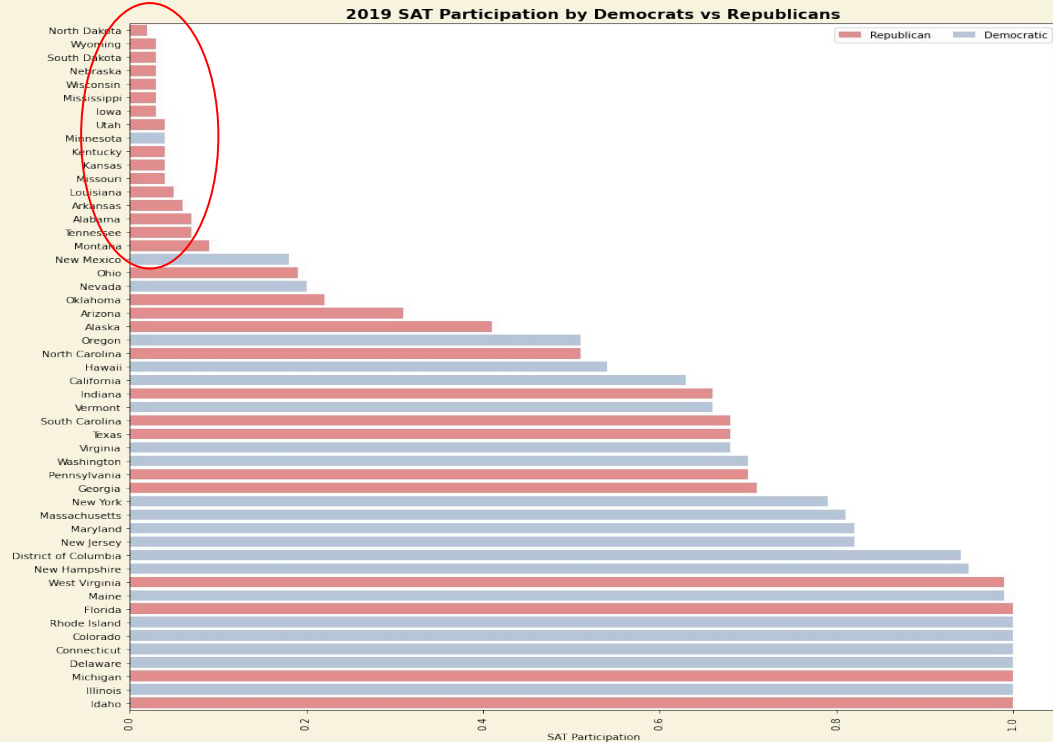
Source: <https://edition.cnn.com/2020/04/14/us/coronavirus-colleges-sat-act-test-trnd/index.html>



# Technical Analysis

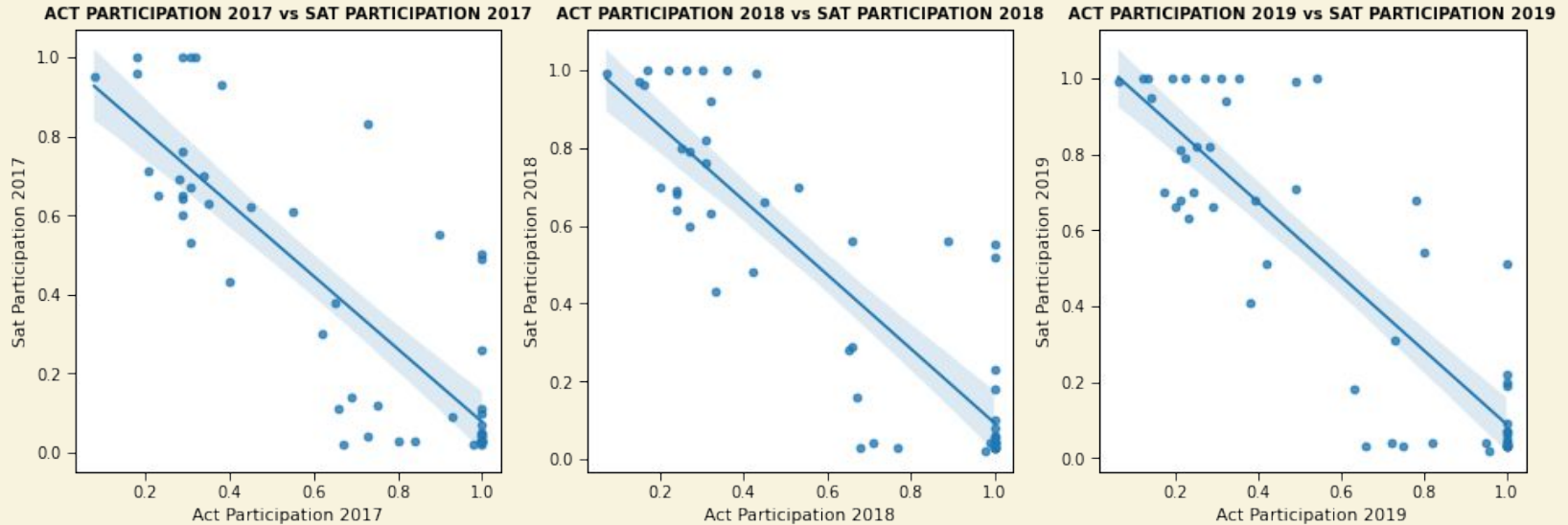


# Trends in SAT & ACT participation



Republican states have the least participation in SAT

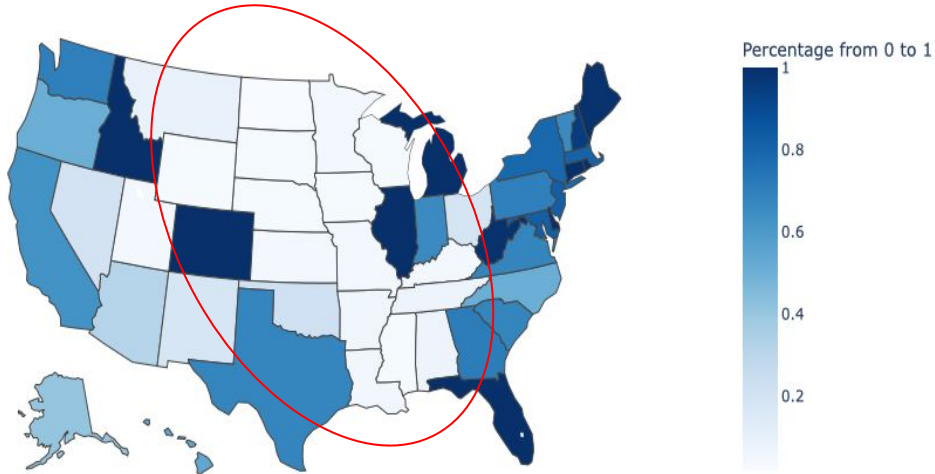
# Trends in SAT & ACT participation



Inverse relationship between SAT participation and SAT participation

# States with low participation

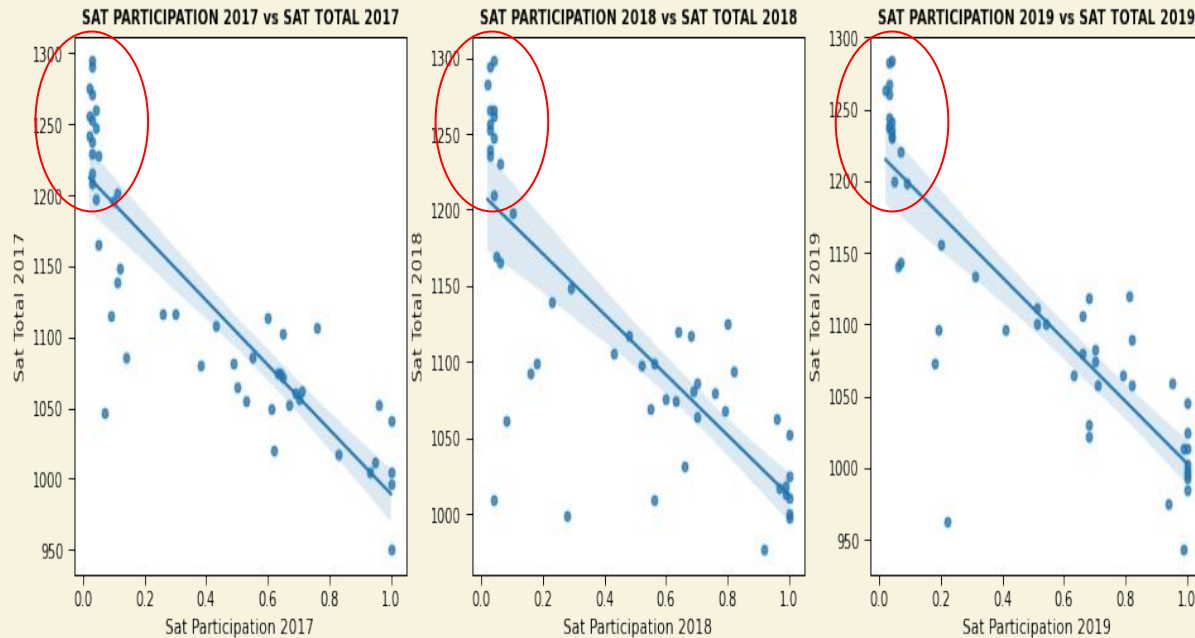
SAT PARTICIPATION 2019



States with low SAT participation are likely Republican states

These states are generally rural states

# Trends in SAT & ACT participation



**Low participation in SAT while having **high** SAT total**

Low SAT participation states -> Republican  
States -> Rural

## A socio-economic issue



# Recommendations

Help students better understand importance of college



SAT Day

Free online resources  
(Khan Academy)

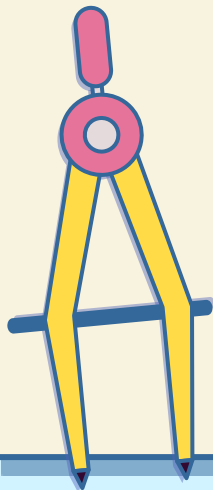
Financial Aid



Increase Accessibility for Low-income



Increased Participation



## Conclusion



# Sources

Source 1: <https://www.insidehighered.com/admissions/article/2021/06/01/states-and-state-systems-move-away-required-testing-admissions>

Source 2:

<https://christianacademiamagazine.com/test-optional-movement-should-we-require-sat-or-act-or-neither/>

Source 3: <https://today.yougov.com/topics/society/articles-reports/2018/06/21/standardized-tests-college-admission>

Source 4: <https://www.pewresearch.org/politics/2018/03/20/1-trends-in-party-affiliation-among-demographic-groups/>

Source 5: <https://www.collegeraptor.com/getting-in/articles/act-sat/preference-act-sat-state-infographic/>

Source 6: <https://edition.cnn.com/2020/04/14/us/coronavirus-colleges-sat-act-test-trnd/index.html>

Source 7: <https://gist.github.com/rogerallen/1583593>

Source 8: <https://www.nytimes.com/elections/2016/results/president>



Thank you!

