

# A Texas Size Opportunity for the College Board

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DSI November 20, 2018

# Background

Texas is the second largest market of SAT test with 226,374 students taking the SAT in 2018 out of the 341,613 High School Graduates or 66% of 2018 class.

In 2018 Texas represents 10.5% of all 2018 US SAT test takers.

# Proposal

As of August 2018, Texas education policy makers at Texas Education Agency have proposed a decision to require the SAT or ACT for high school students as part of their Federally Mandated testing.

“In a proposed change to its administrative rules, the TEA said it would use the ACT and SAT — two standardized tests administered for college admissions — to test those students in high school, and that school districts and charter schools should pay for them.” - Texas Tribune

# Proposal cont.

“Specifically, the proposed amendment would modify subsection (e) to require school districts to use the SAT or ACT to fulfill federal high school assessment requirements for students who took the State of Texas Assessments of Academic Readiness (STAAR®) Algebra I EOC assessment or both the STAAR® English I and English II EOC assessments prior to high school. “

- Texas Education Agency (August 24, 2018)

# Problem

In light of the proposal, how can we use the data provided to help the College Board expand the SAT in the Texas market and not lose the foothold it has to the ACT.

The College Board needs to empirically prove the SAT is a better test than the ACT and gain rest of the students.

We must avoid the pitfalls of the inverse relationship between testing participation and mean scores as policy makers often make decisions based on average testing score results.

This potential change to Texas High School educational testing requirements could be good or bad for the College Board and SAT testing participation.

The problem is that the College Board could be on the losing side of this proposal **if** the Texas Legislature and school administrations deem the ACT to be a better exam for their testing needs. The SAT could lose its share of students it currently test.

# Opportunity

If we can prove that mandating the SAT can increase Texas High School students' college academic readiness, and prove that the SAT is a better assessment of student's preparation, then we can put ourselves in a position to win the place of being a required test for Texas high schools students.

Join the likes of other states where SAT is required like Colorado and Illinois, represents a market opportunity of about 115,000 additional students or \$5,750,000 in addition to the \$11.3 million in current revenue and 226k students.

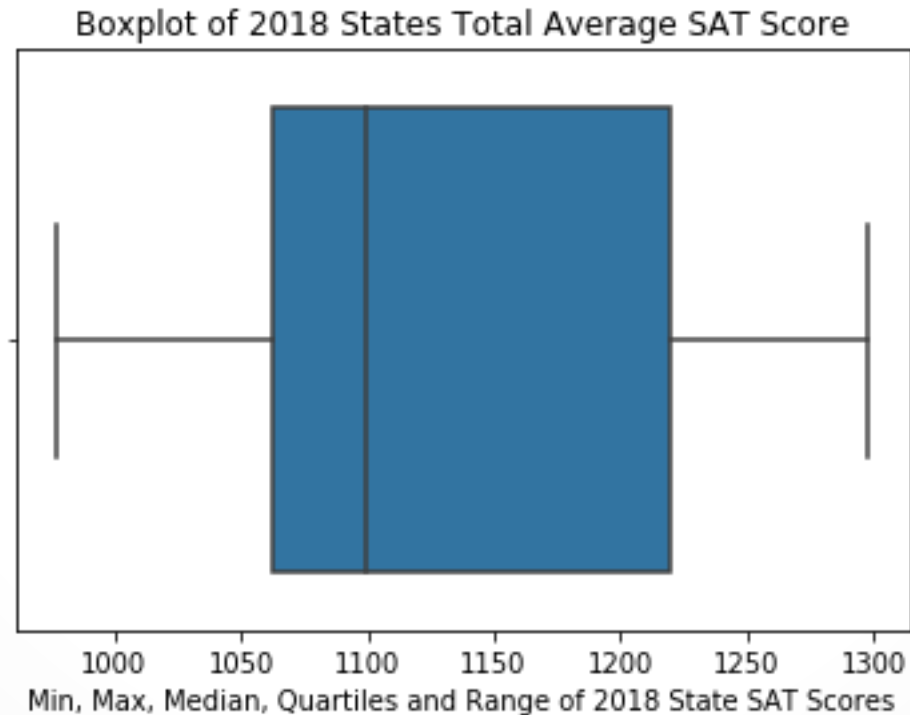
# SAT vs. ACT Participation

From 2017 to 2018 Texas SAT high school student participation increased from 62% to 66%, whereas the median national SAT participation was 52%. Texas Mean SAT Scores increased from 1020 to 1032 from 2017 to 2018.

During the same time, ACT high school student participation stayed flat at 45%, whereas the median national ACT participation was 66%. Also ACT mean score stayed the same at 20.7

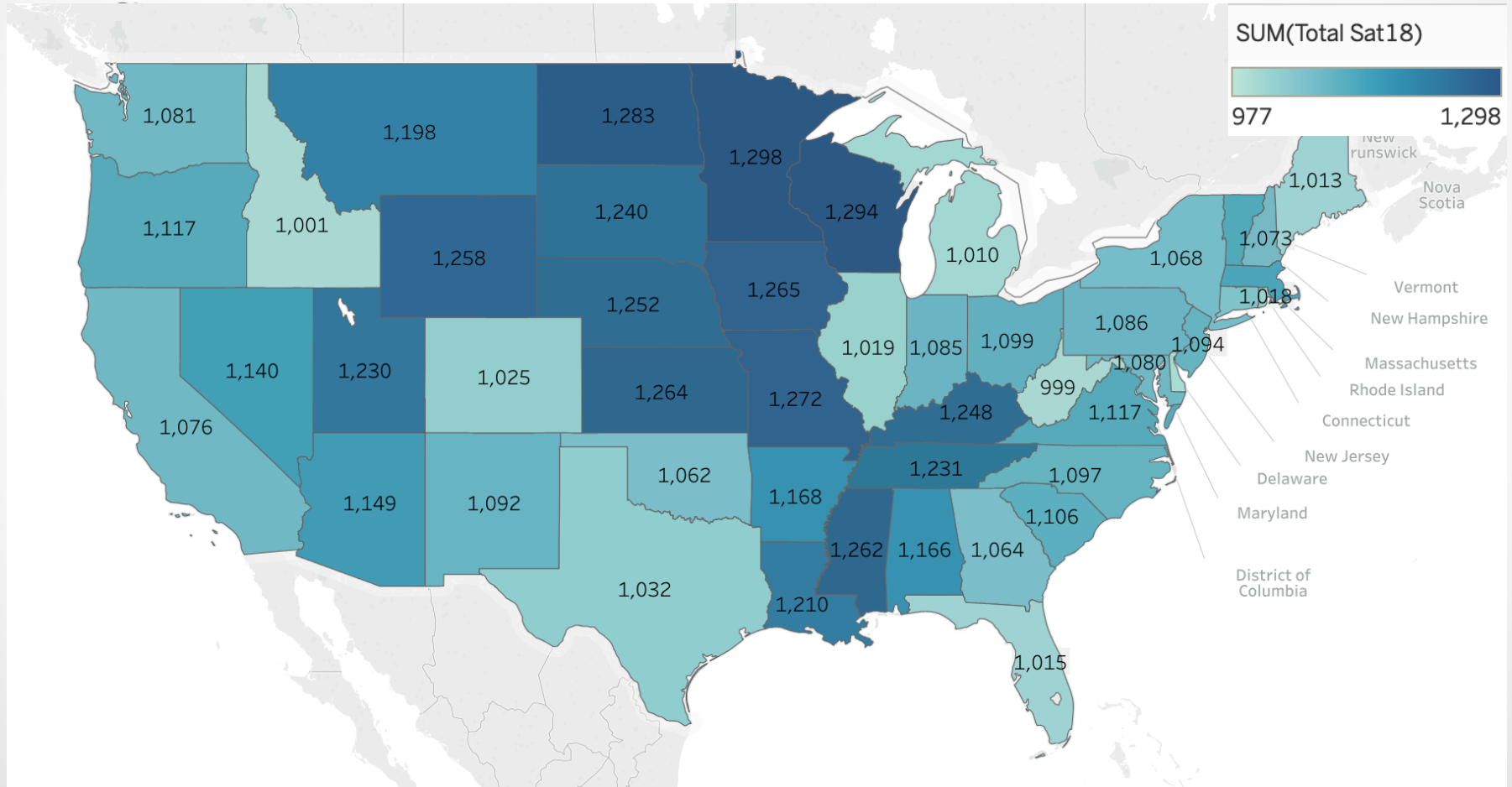
# Key Data on Texas SAT

Texas SAT mean score of 1032 lag behind national mean of 1068 out of total potential of 1600

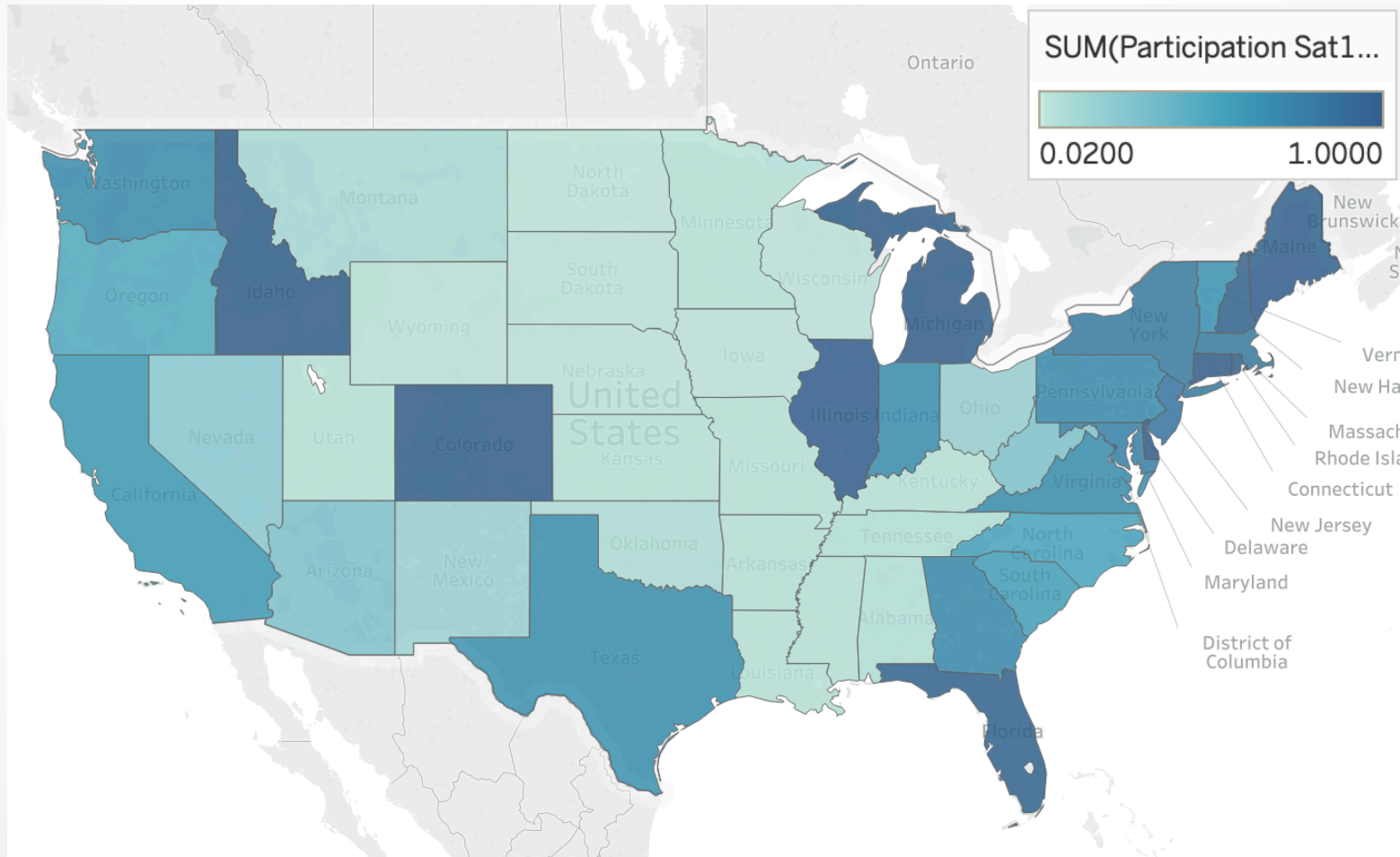




# 2018 Average SAT Score per State



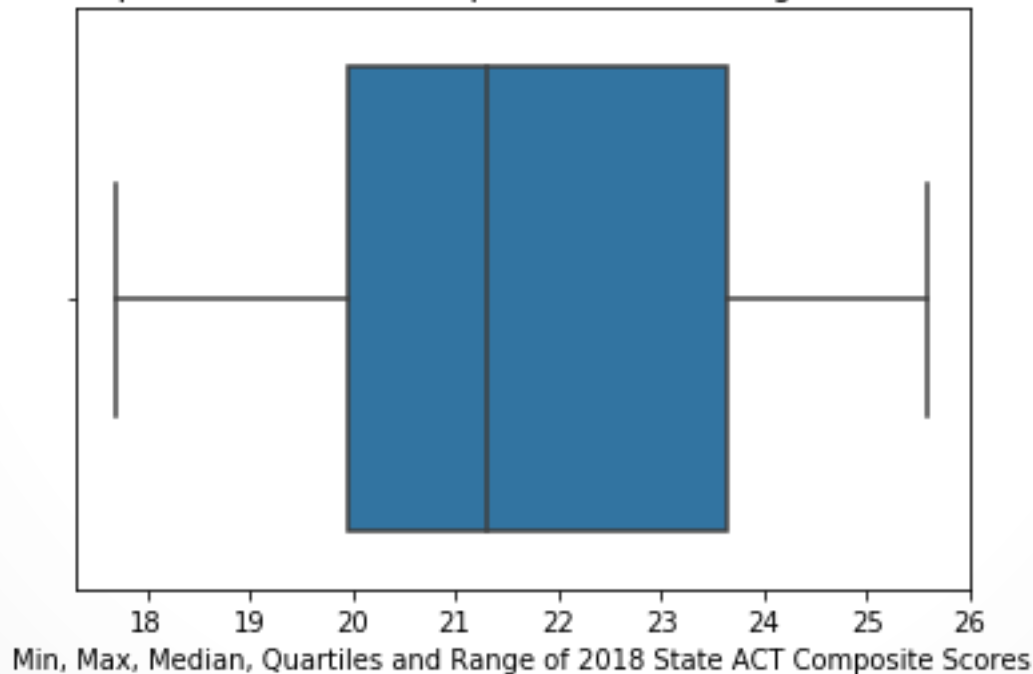
# 2018 Average SAT Participation per State



# Key Data on Texas ACT

Texas ACT mean score of 20.7 also lags at national average of 21.5 out of a total possible of 36

Boxplot of 2018 ACT Composite Score Averages Per State

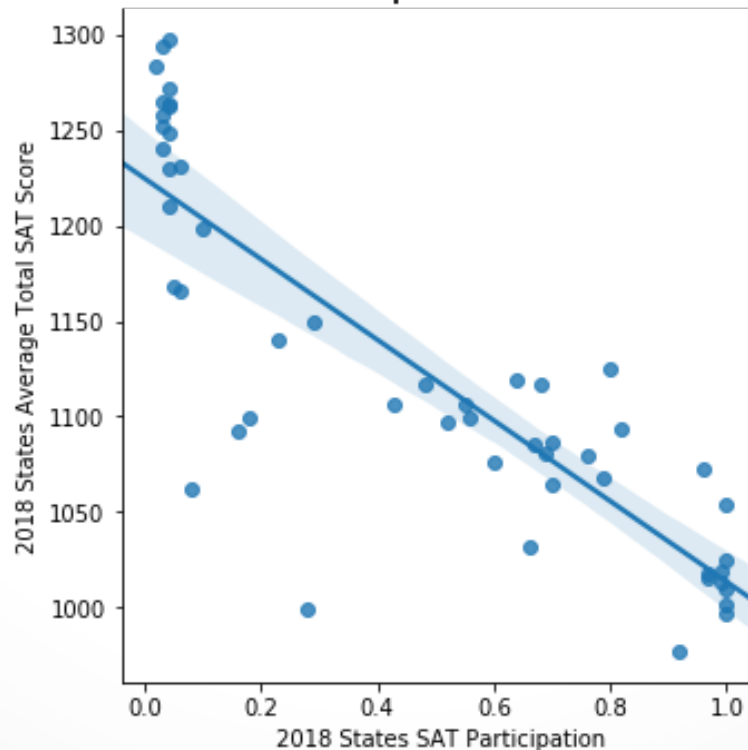


# Inverse Relationship in SAT

## Participation and Score per States

Must demonstrate to Texas administrators that SAT Score averages are inversely related to participation percentage is not a bad thing. Correlation is  $-0.85$

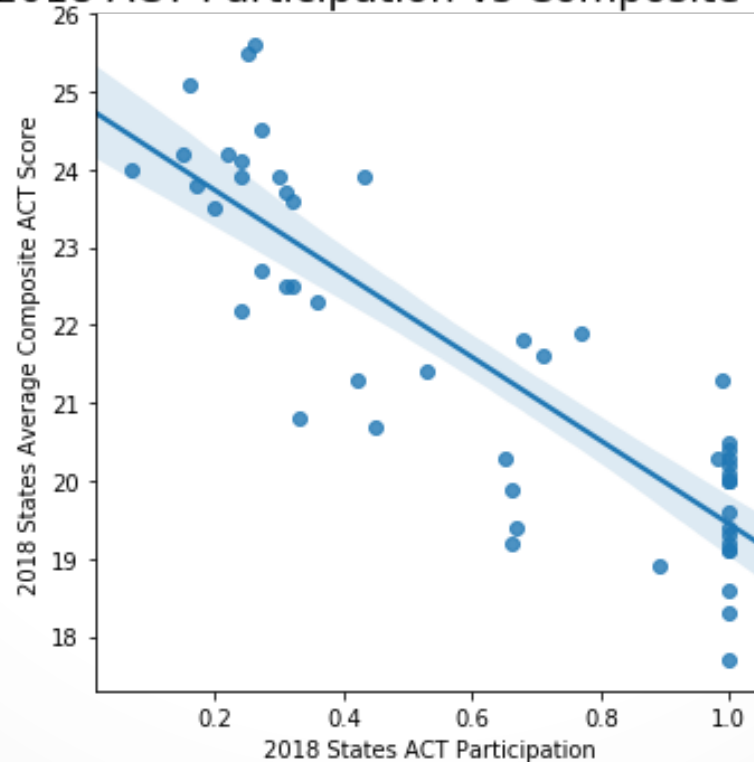
2018 SAT Participation vs Total Score



# Inverse Relationship in ACT as well

The ACT also has that relationship. Correlation is  $-0.86$

2018 ACT Participation vs Composite Score



# Conclusions

The College Board needs to continue to prove the merit of the SAT as a measure of college preparation for High School Students.

We must overcome obstacles as average SAT scores may fall as exam participation increases.

# Recommendations

Utilize data demonstrating that the SAT is a better assessment of High Schools student's core math and reading assessments than the STARR exams.

Analyze data on how successful students are during college that use the SAT versus ACT as the entrance exam and thus the barometer for their college preparation.