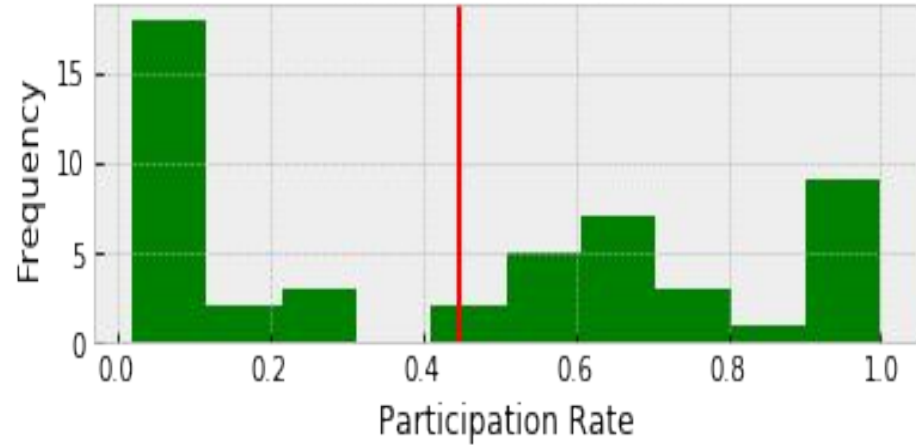


Analysis of SAT and ACT Participation 2017-2018

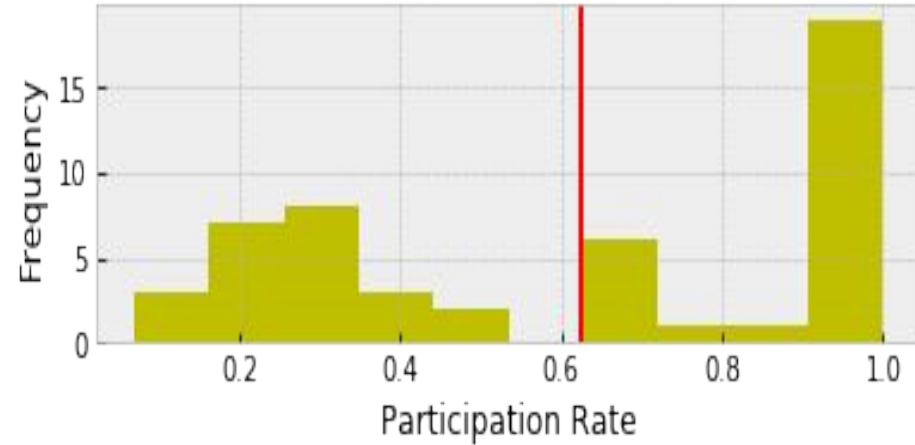
Sruthi Koppuravuri

SAT and ACT participation distributions across US States

SAT'18 participation



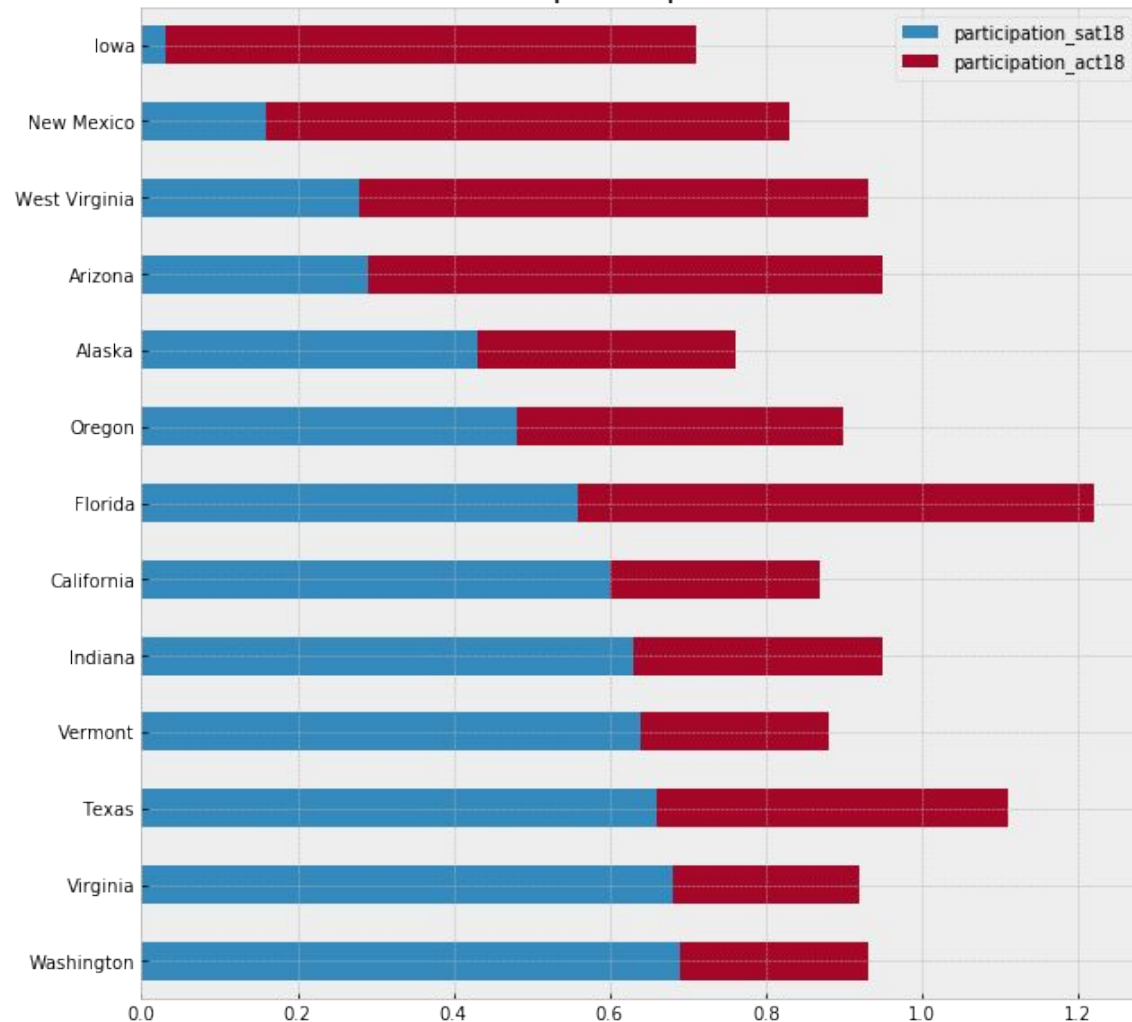
ACT'18 participation



SAT and ACT scores are complementary to each other, since students take any one test.

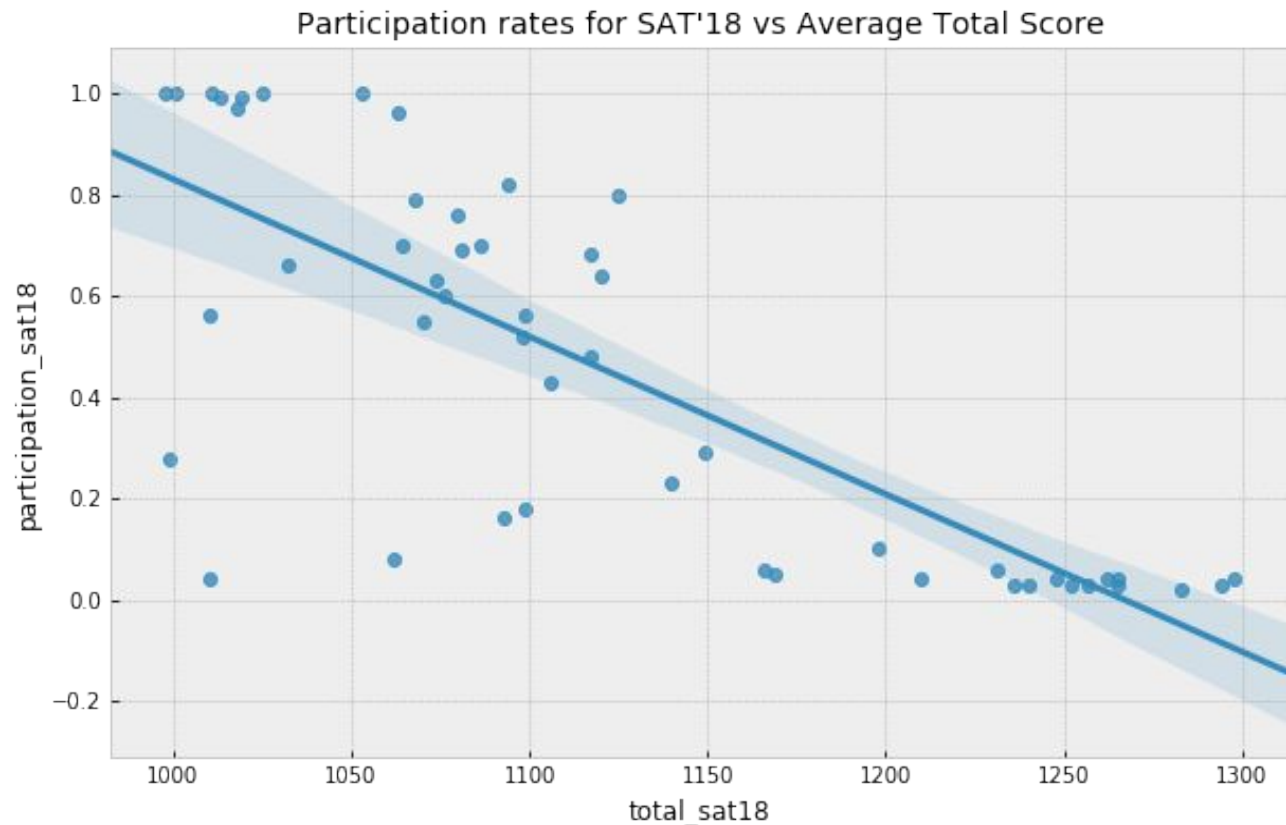
- SATs mandatory in 8 states- have above 90% SAT participation.
- More popular in the East and West Coasts
- ACTs mandatory in 16 states- have above 90% ACT participation.
- More popular in the Midwest

States with SAT and ACT participation rates both below 70%



- Alaska and Iowa have total participation rate below 80%.
- ACTs are more popular in Iowa.
- Alaska is a good choice for improving SAT participation.

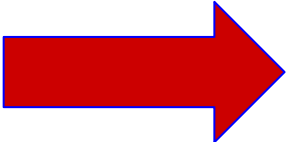
Participation rates and Avg Score in SAT



- States with higher participation have a lower Average score.
- Increasing the average score might motivate some students to prefer the SATs over the ACTs.

- Alaska made both the SAT and the ACT optional in 2016.

- ACT participation rate

65% in 2017  **33%** in 2018

- SAT participation rate

38% in 2017  **43%** in 2018

- **45.7%** of Alaska high school graduates attend college
compared to the national average of **63.3%**.

Recommendations

- Free prep material/courses
- Fee waivers
- Offering the SAT during regular school hours
- Encourage more students to pursue education after high school