



# Where and How to Increase SAT Participation Rates

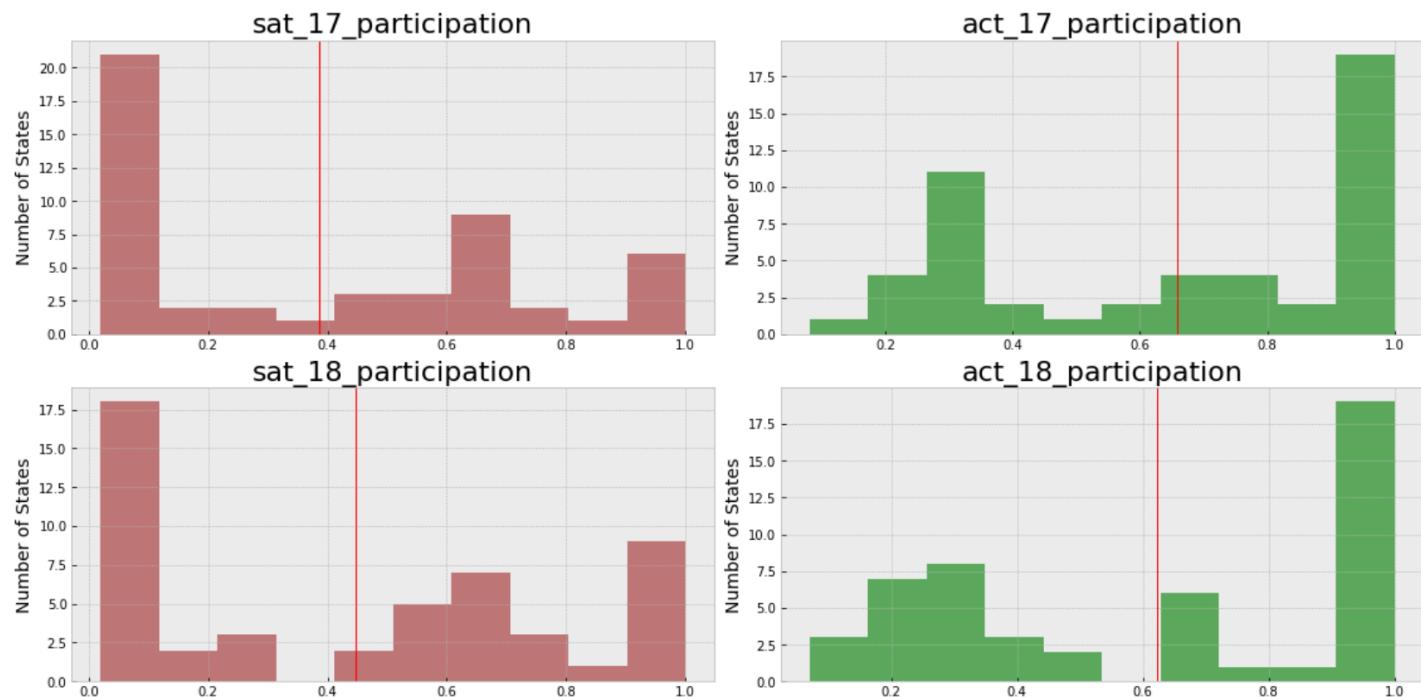
BY: ATA AKCA

# Problem

- SAT Participation rates are lower than expected
- Which states should be selected to spend the budget
- SAT & ACT 2017/2018 data analysis to elaborate on pain points

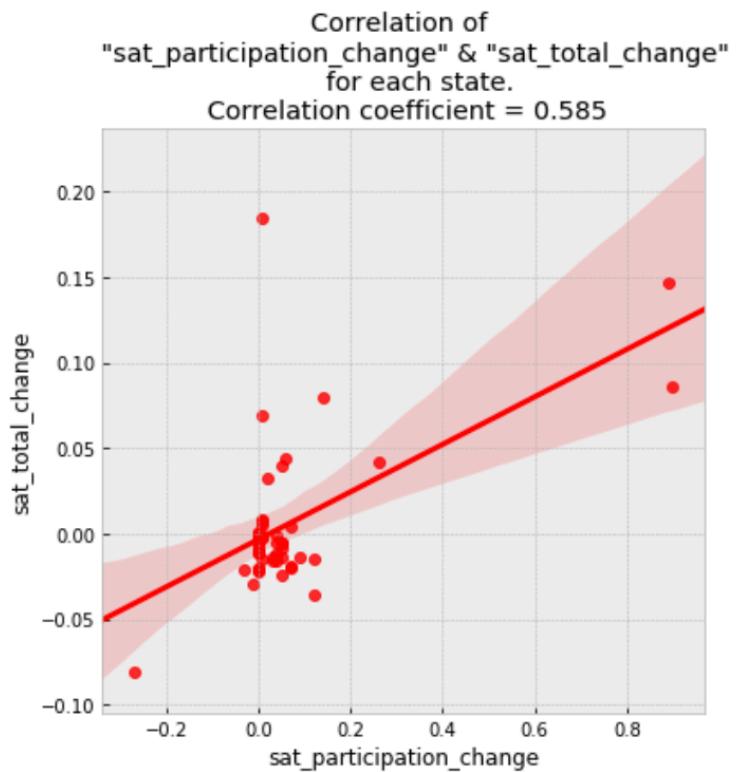
# Preliminary Findings

- States tend to choose ACT over SAT
- SAT participation rate increases
- States with lower participation rate (but positive change)



# Correlation Analysis

- Participation rate change is correlated to total scores changing
- Highest Participation Change: Illinois and Colorado
- Highest Total Change: Utah, West Virginia, Ohio
- Positive change on both parameters



# Ohio

- Requires students to take at least one of 2 exams (funded by the state)
- Positive feedback on SAT
- High population on eligible students (participation volume)
- Successful students

# Conclusions and Recommendations

- Making Reliable tests
- Balanced difficulty
- Creating success stories
- Increasing # of resources
- State-funded tests
- Parent influencing

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	state	Ohio
sat_17_participation	0.12	
sat_18_participation	0.18	
sat_participation_change	0.06	
sat_total_change	0.0435161	
act_17_participation	0.75	
act_18_participation	1	
act_participation_change	0.25	
act_composite_change	0.0772727	

# Thank You

## References:

<https://www.daytondailynews.com/news/too-much-testing-some-schools-angry-with-ohio-act-sat-mandate/5IPdirdJ68luXs1ez7Mv7L/>

[https://www.cleveland.com/metro/2017/04/free\\_sat\\_or\\_act\\_exams\\_give\\_all.html](https://www.cleveland.com/metro/2017/04/free_sat_or_act_exams_give_all.html)

<https://www.usatoday.com/story/news/nation/2019/04/23/17-students-ohio-high-school-perfect-act-score/3552583002/>

<http://education.ohio.gov/Topics/Testing/ACT-SAT-FAQs#FAQ2839>

<https://reports.collegeboard.org/pdf/2017-ohio-sat-suite-assessments-annual-report.pdf>

[https://www.wvgazettemail.com/news/education/wv-chooses-sat-as-new-high-school-standardized-test-for/article\\_b60d2618-4943-56f6-b180-4b4442172ef8.html](https://www.wvgazettemail.com/news/education/wv-chooses-sat-as-new-high-school-standardized-test-for/article_b60d2618-4943-56f6-b180-4b4442172ef8.html)

<https://reports.collegeboard.org/pdf/2017-west-virginia-sat-suite-assessments-annual-report.pdf>

<https://www.sltrib.com/news/education/2019/09/18/standardized-tests-utah/>

<https://reports.collegeboard.org/pdf/2017-utah-sat-suite-assessments-annual-report.pdf>