



Where and How to Increase SAT Participation Rates

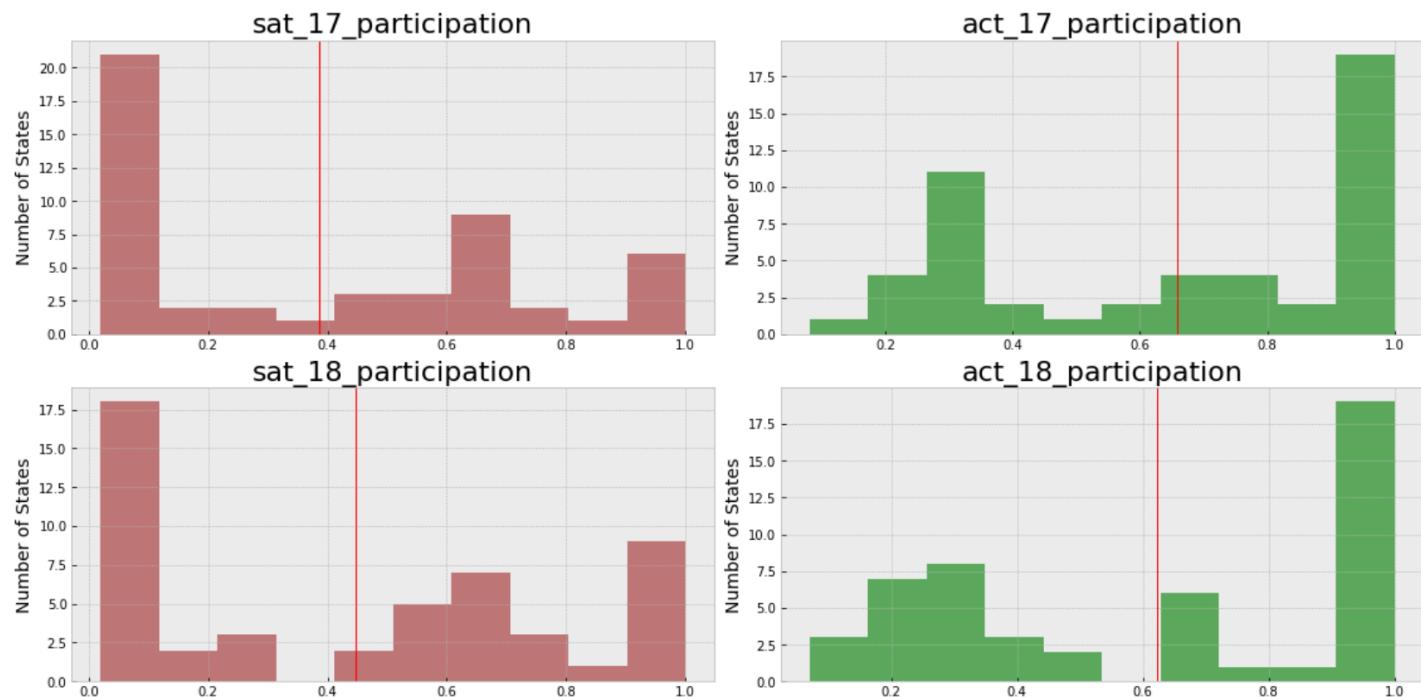
BY: ATA AKCA

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

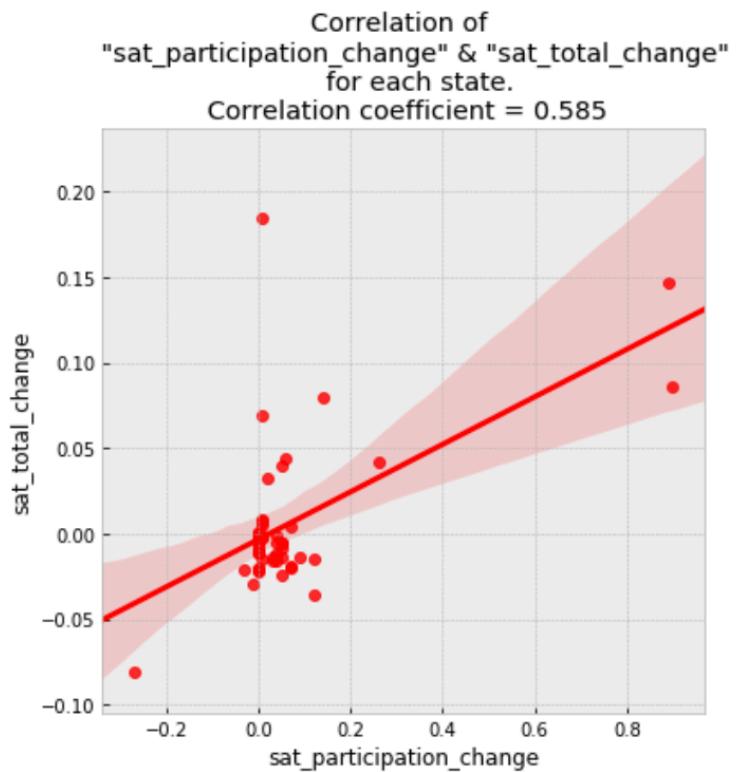
Preliminary Findings

- 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

34

	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.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://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>