

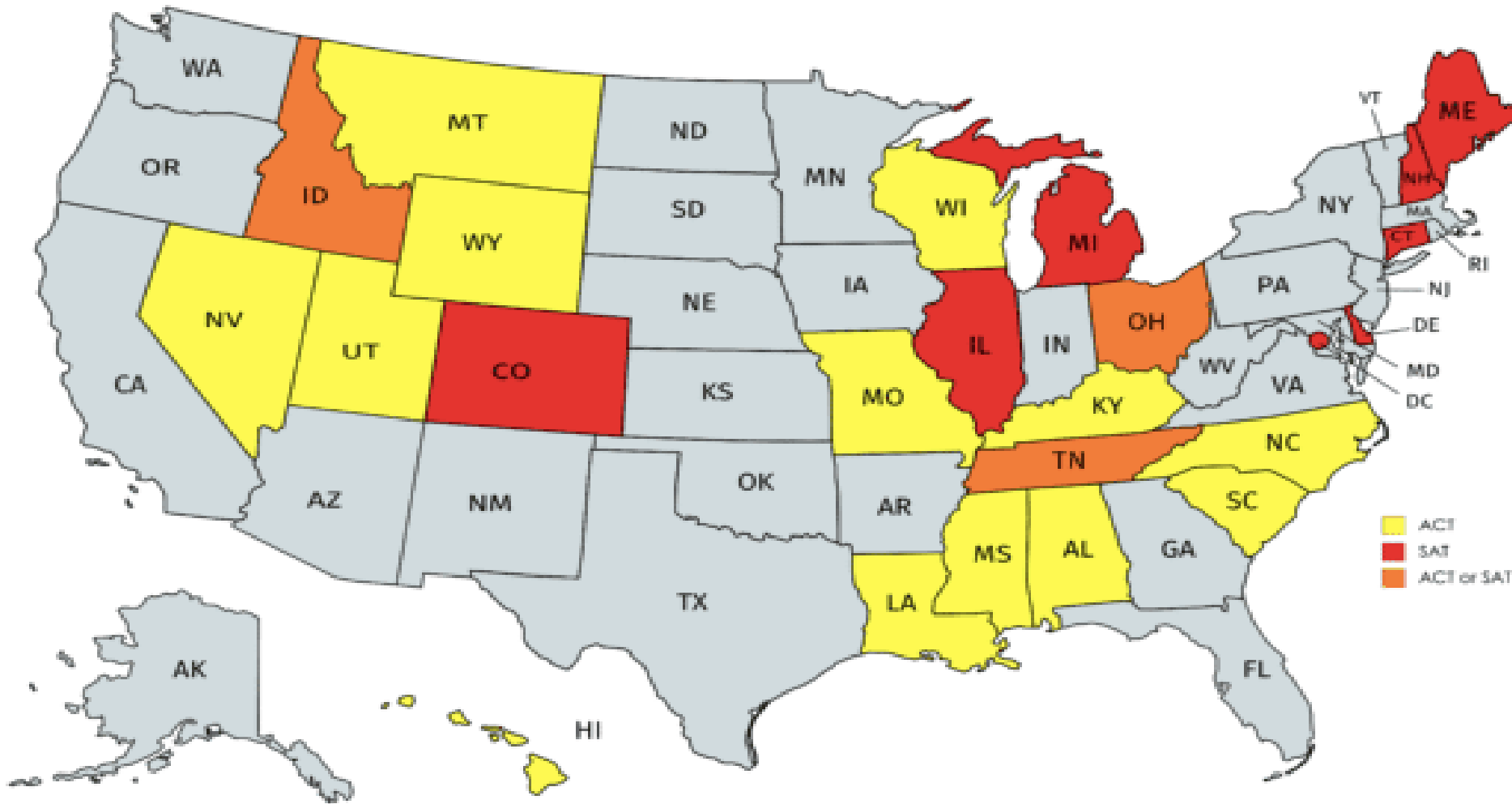
SAT&ACT Data Analysis 2017/2018

Findings &
Recommendations
(Kelvin, Ivy, Guat Hwa)

Background

- Both SAT and ACT are used as standardized testing for high school seniors to gain college admissions
- Different states have different policies on test taking
- Required SAT
- Required ACT
- Required Either
- Optional
- Some states offer Free Exam to all test takers

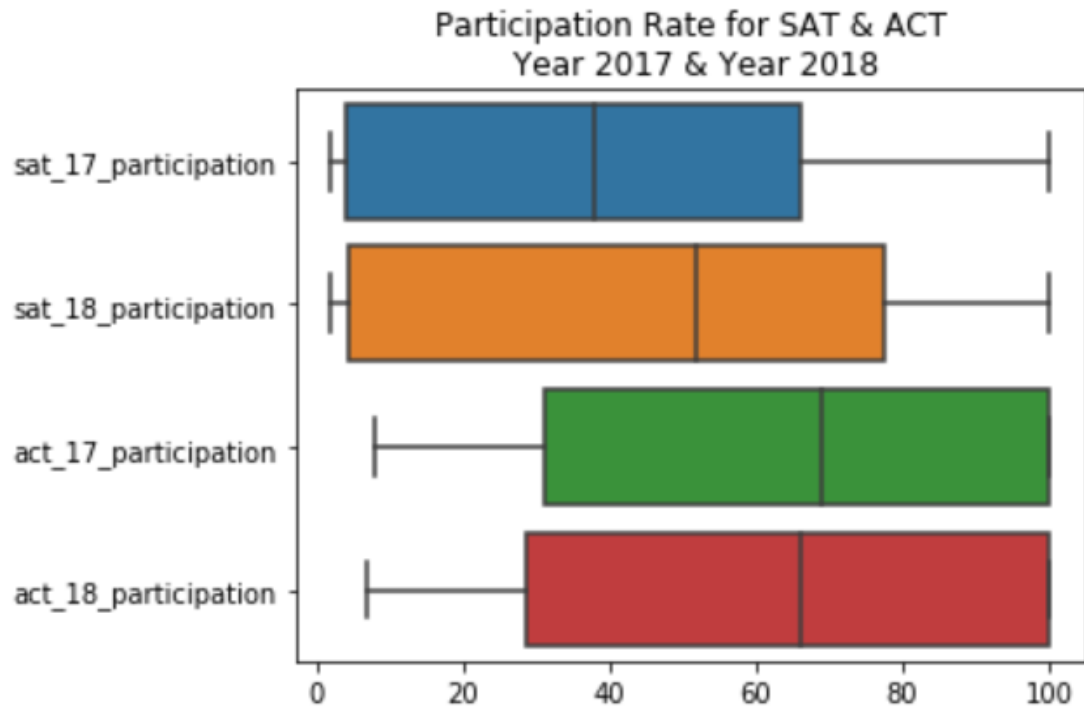
State's Policy On Mandatory SAT/ACT





Problem Statement

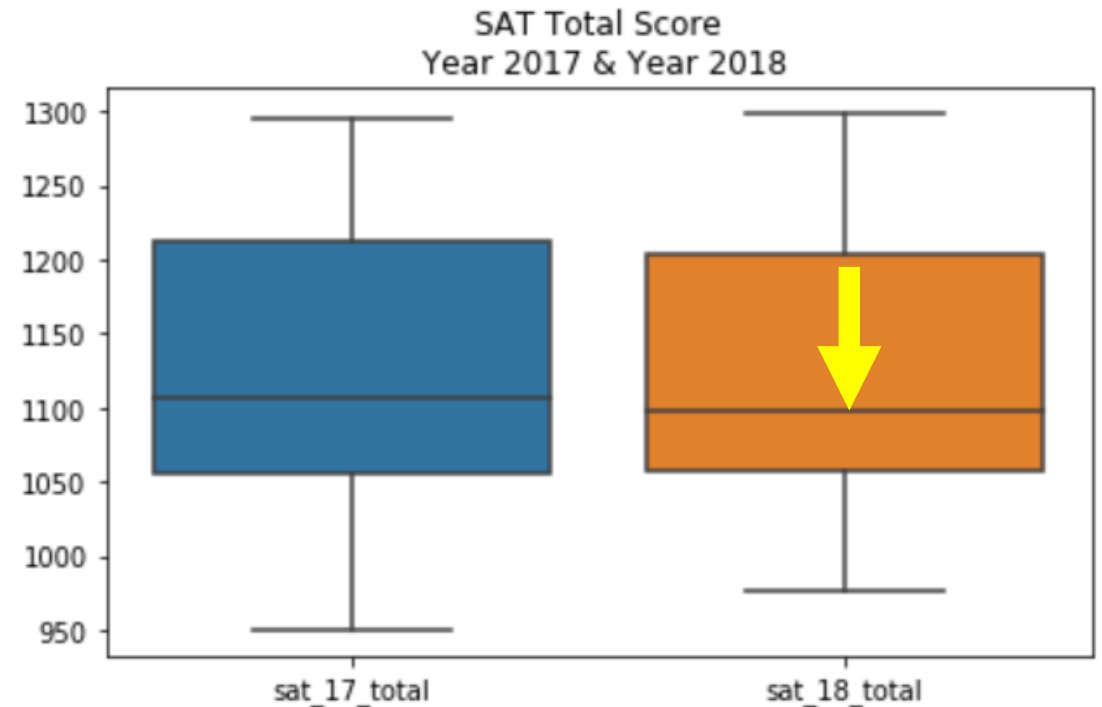
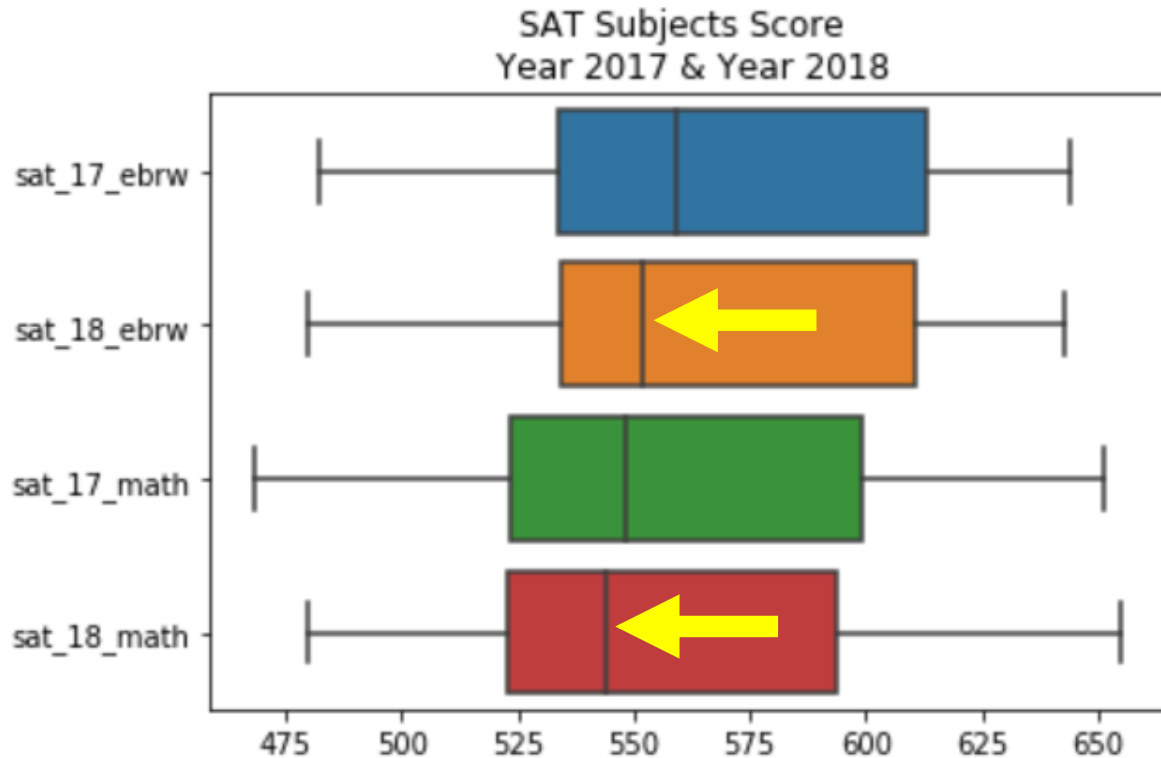
Analyse and increase SAT
participation rates

Overview on Participation Rate for SAT & ACT Year 2017 vs Year 2018

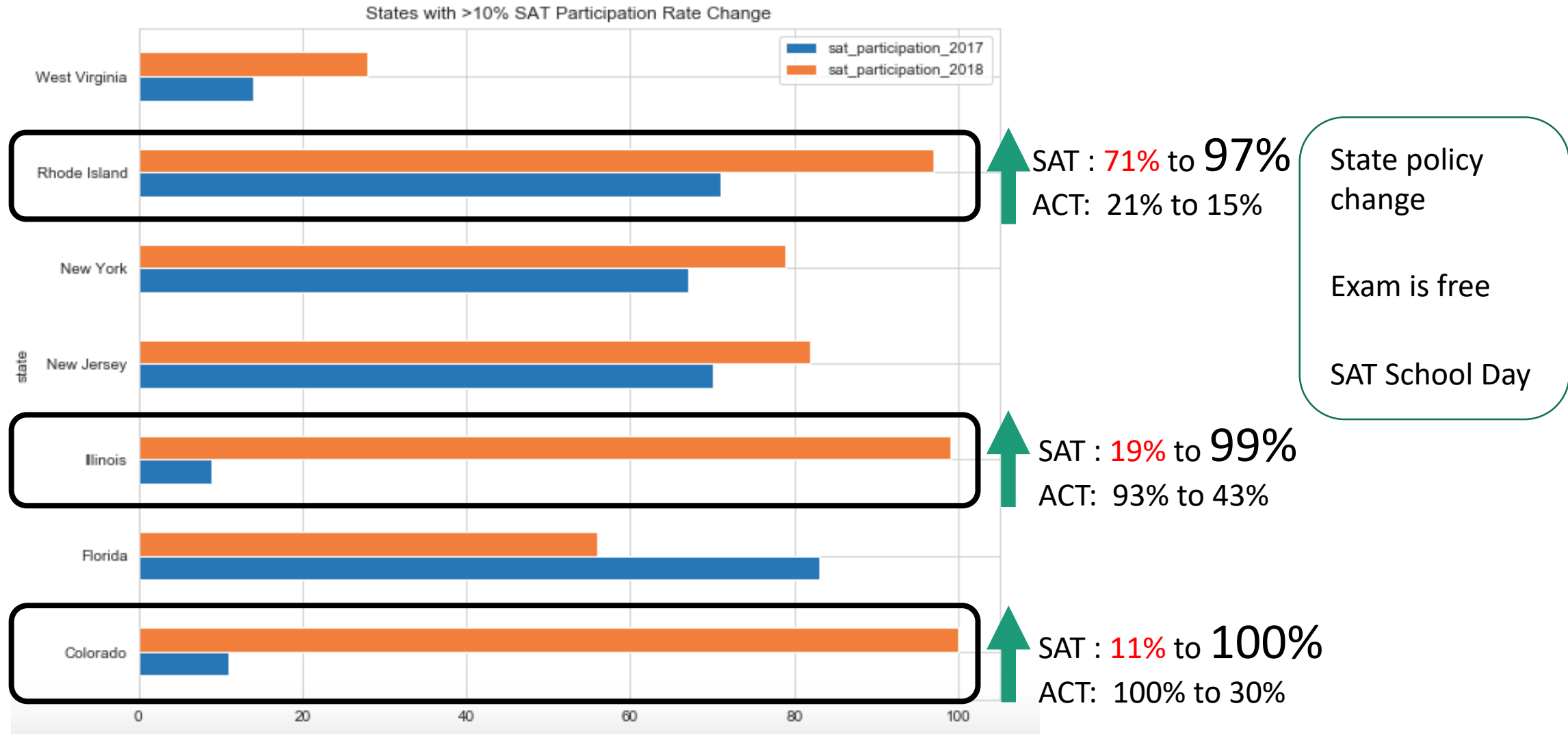


- SAT Median Participation Rate 
 - Year 2018- 5 States 100%
 - Year 2017- 4 States 100%
- ACT Median Participation Rate 
 - **Year 2018- 17 States 100%**
 - **Year 2017- 17 States 100%**

Overview on SAT Subject Score & Total Score Year 2017 vs Year 2018

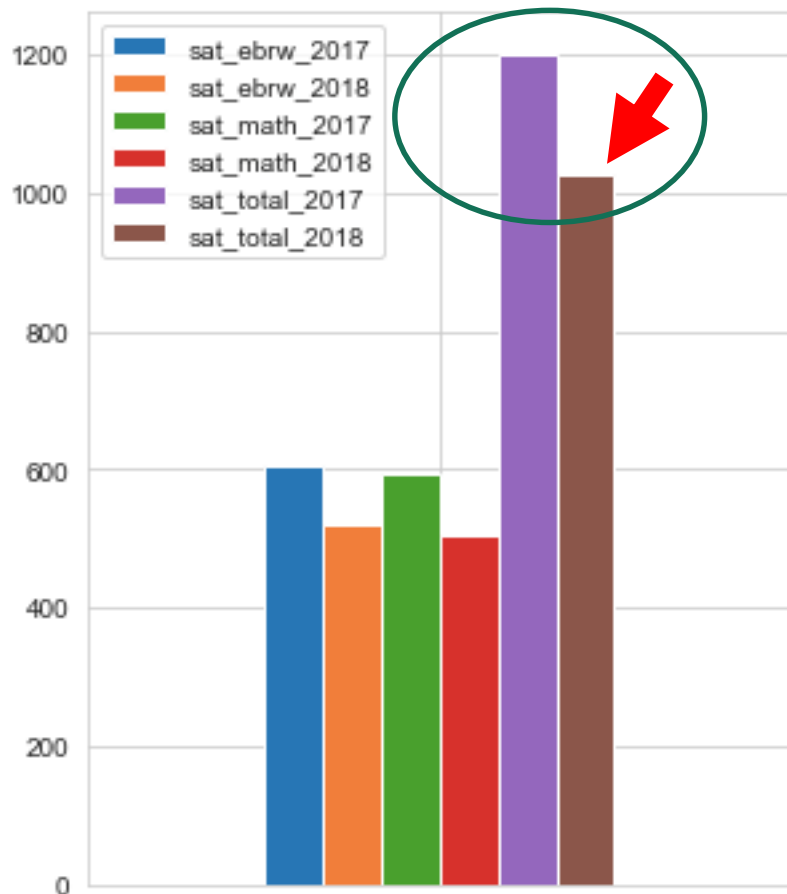


SAT Participation Rate Change > 10% (2017 vs 2018)

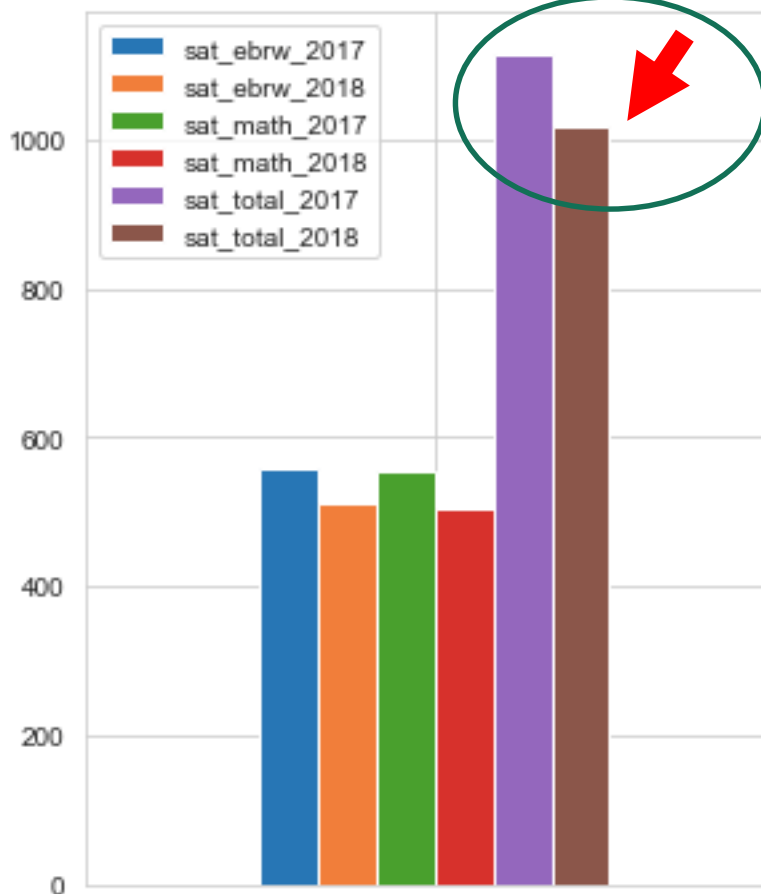


SAT Performance (Colorado / Illinois/ Rhode Island)

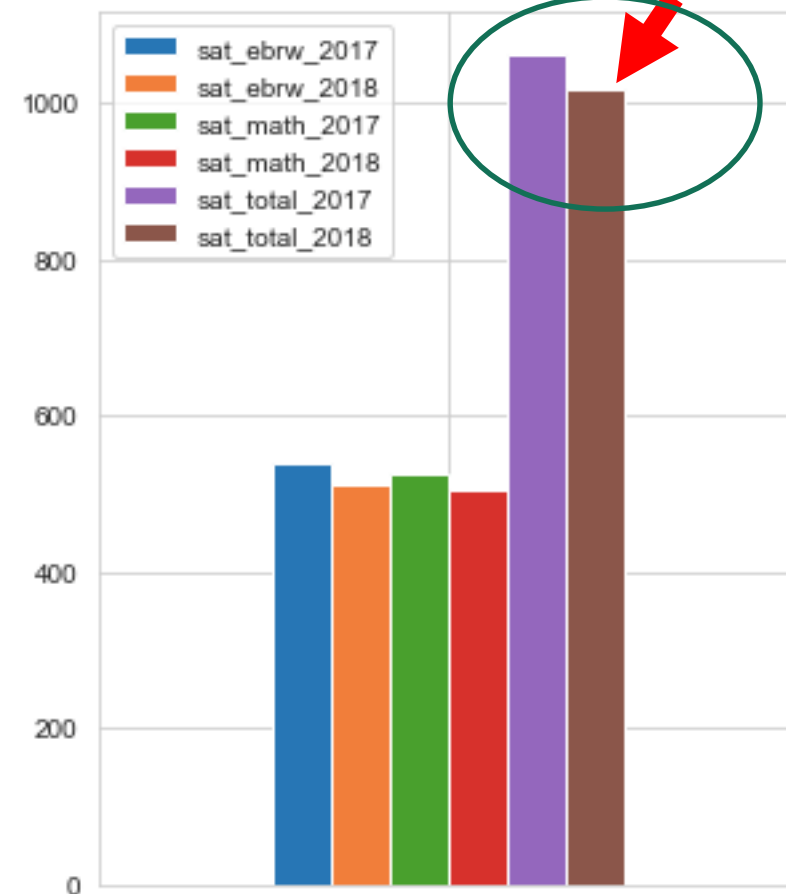
Colorado's SAT Performance



Illinois's SAT Performance

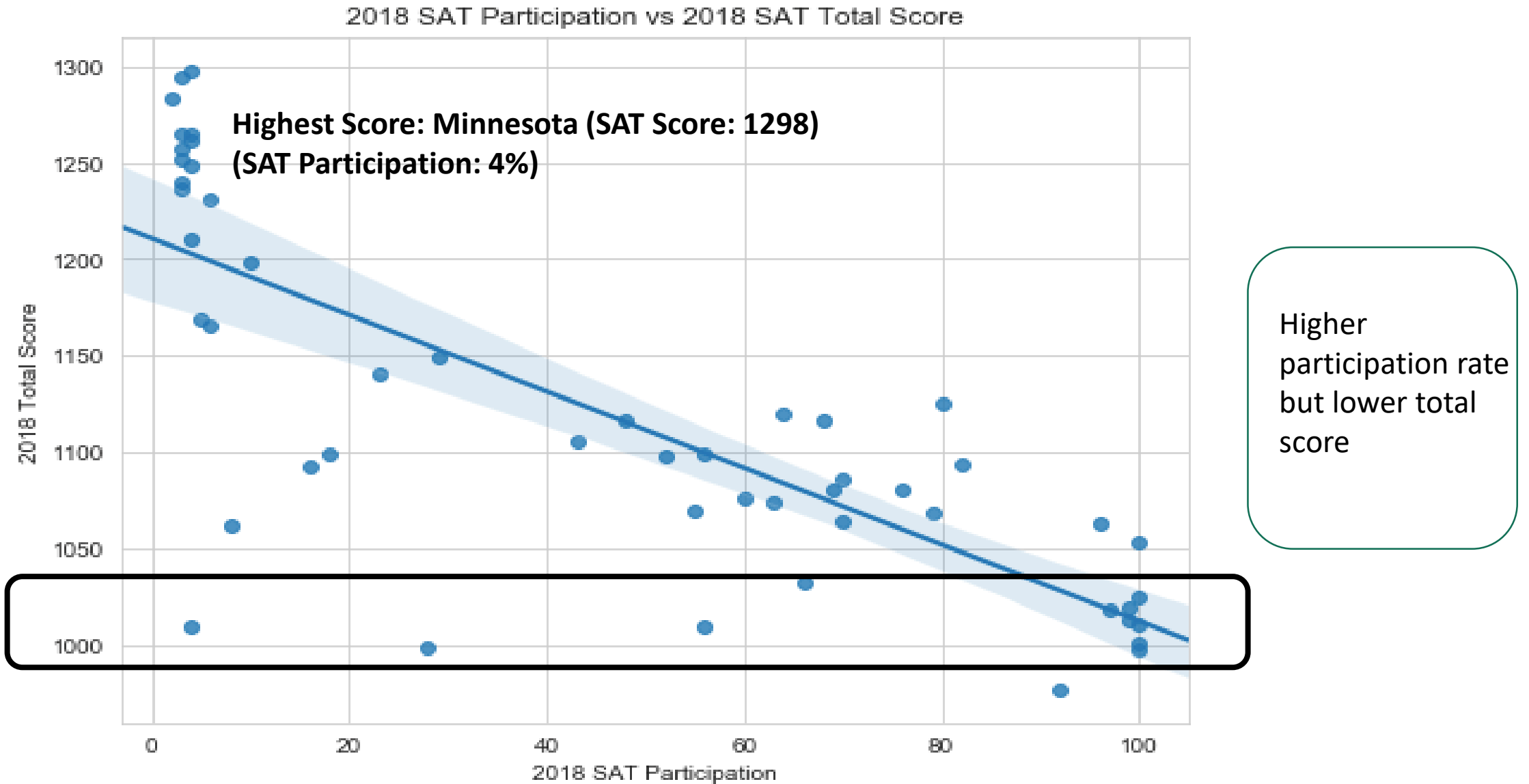


Rhode Island's SAT Performance



state	sat_ebrw_2017	sat_ebrw_2018	sat_math_2017	sat_math_2018	sat_total_2017	sat_total_2018
Colorado	606	519	595	506	1201	1025
Illinois	559	513	556	506	1115	1019
Rhode Island	539	513	524	505	1062	1018

SAT Participation vs Total Score



Recommendations

- Mandating the completion of the SAT for all high school students
- Covering all or part of the exam fees (USD 113.50)
- Offering the SAT during regular school hours to make student participation as convenient as possible
- Make SAT as mandatory requirement for college admission

AND

- Offering free test preparation program. eg have access to the Official SAT Online Course, [Khan Academy](#)'s free online practice problems and instructional videos.
- [Provide additional academic support for students who may need it](#)

Recommendations

- State : Alaska
- Low participation for both SAT / ACT
- SAT (2018) – 43%
- ACT (2018) - 33%

Reference: <https://www.juneauempire.com/opinion/opinion-forget-the-national-average-university-of-alaska-requires-a-higher-level-of-state-investment/>