



Proposal



May 24, 2019

What are we here for?

- Impacts on Participation rate of SAT after 2016 redesign
- Decide which state should receive the funding to improve Participation rate?
 - Concrete evidence
 - Methods used to boost participation rates



Process

1. Cleaning Data
 - a. Placed Missing values
 - b. Rectify Data entry errors
2. Compiling the Data
3. Filtered Data
4. Data Visualizations
5. External Research
6. Recommendations/Conclusions



What we learnt through filtering the data?

100% Participation rate

Only 3 states have 100% participation rates for SAT in 2017 & 2018:

1. Connecticut
2. Michigan
3. Delaware

Lowest SAT Participation in 2018

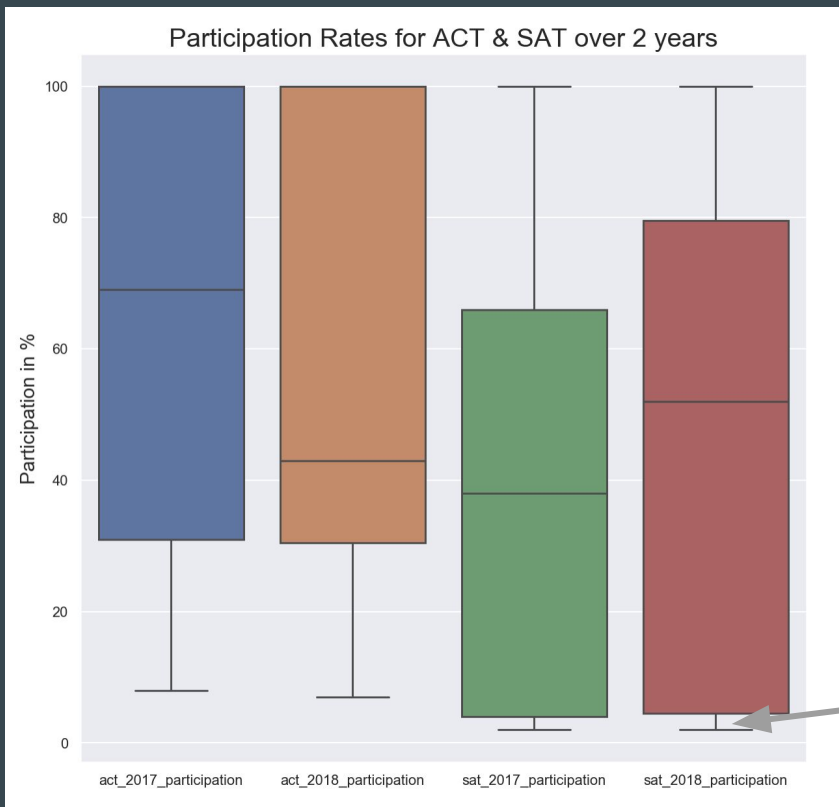
South Dakota

- Only state without mandatory ACT

50% Participation rate for both SAT & ACT

- 2017
 - Oregon
- 2018
 - Oregon (Again!)
 - Orlando
 - Louisiana
 - Alaska

Participation Rate



Findings

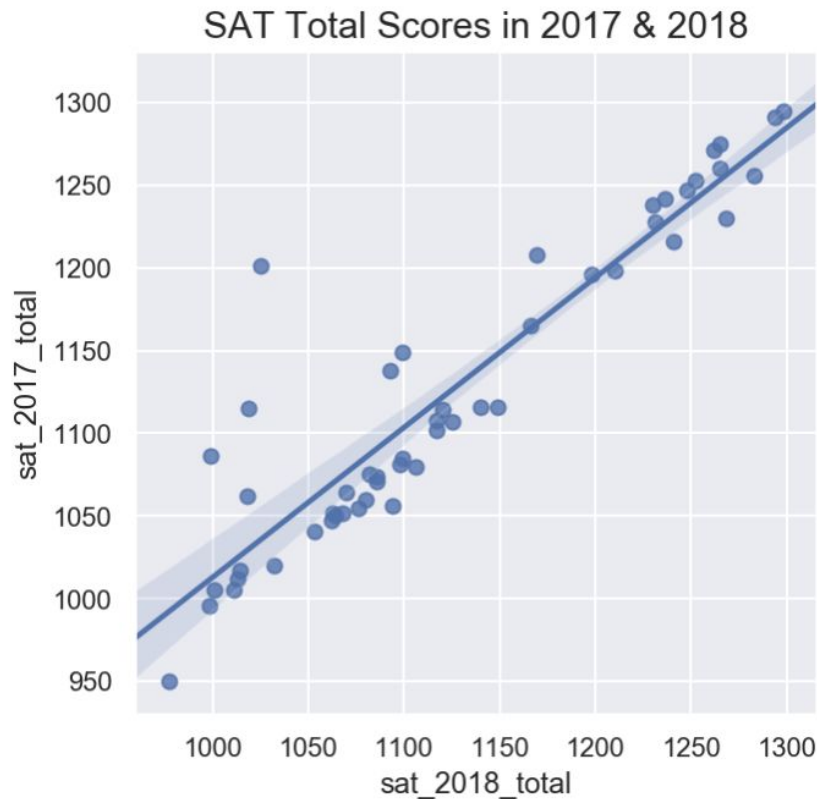
- SAT 2018 has seen a higher participation rate than 2017
- Median Participation has increased for SAT 2018



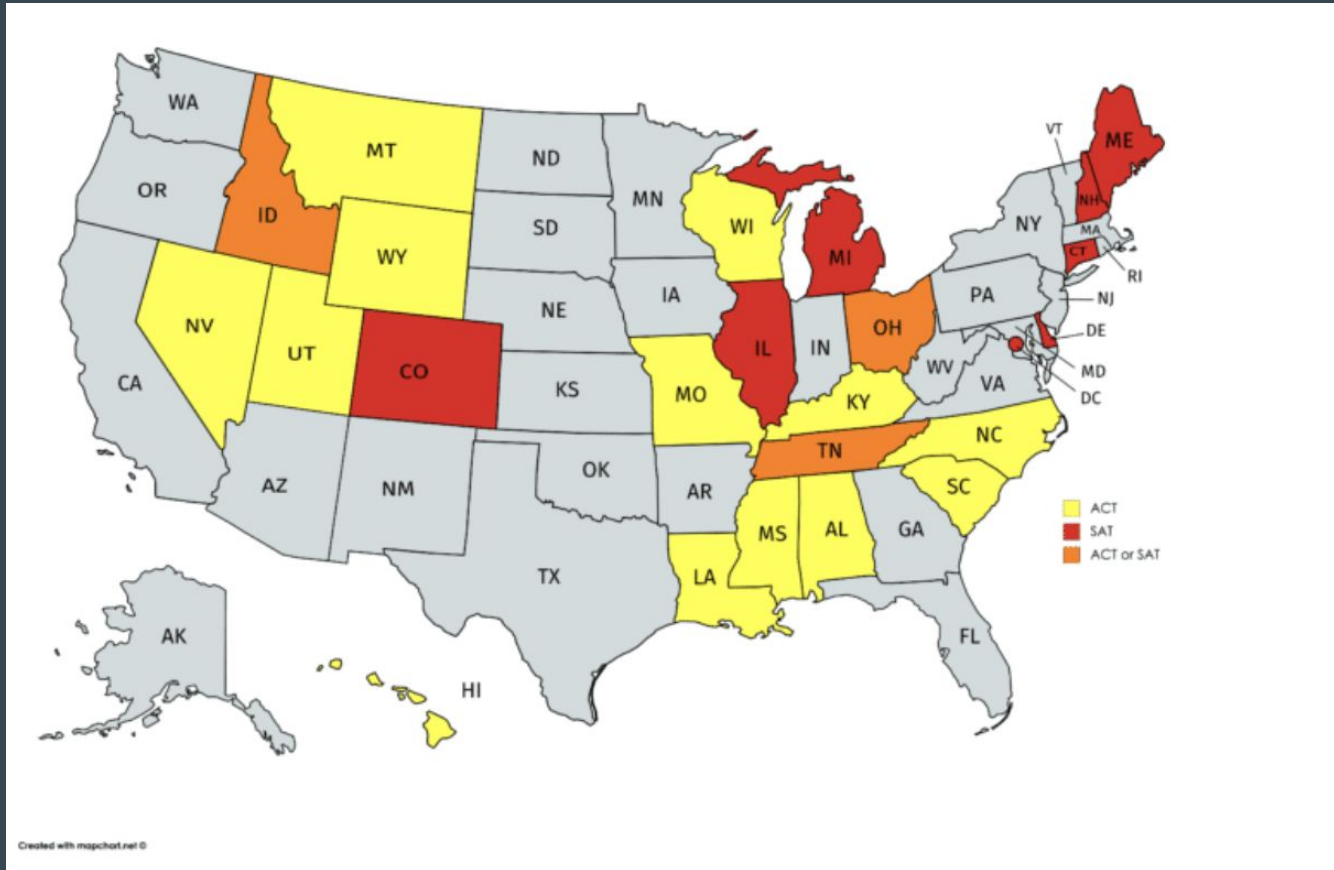
Total SAT Scores

Findings

- Positive Correlation
 - High Score in 2017 = High Score in 2018



Mandatory standardized testing



Source : <https://maquoosh.com/hs/act/2017/states-that-require-the-act-or-sat/>

What should we be wary of ?

✖ States not to target ✖

- Mandatory ACT exams
 - Hard to convert
- No form of subsidy
 - Costly
- SAT mandatory exams
 - Limited change

✔ States to target ✔

- Recent change in mandatory exams
 - More control over volatile market
- No mandatory exams
 - Autonomous student decisions
 - Easier to influence

Which state should get the funding?



Oklahoma

- State pays for both the ACT & SAT
- No mandatory exam for the state
- Recently Reduced ACT participation



Oregon

- State does not pay for both the ACT & SAT
- Either Exams can be used as mandatory exam



Methods to boost SAT participation in Oklahoma

Method 1

- Bootcamps
 - Students get used to SAT testing
 - Training for 'No Calculator' Math Section



Method 2

- Increase Test Dates
 - Give students more autonomy
 - Collaborate with schools to be more accommodative about the SAT test dates