

SAT Participation Rates

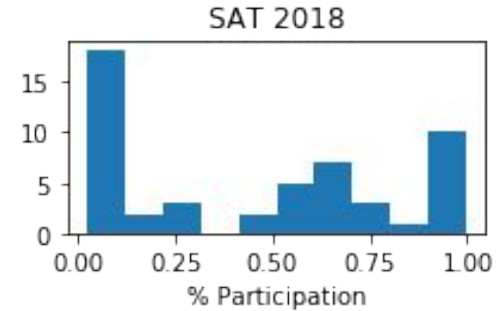
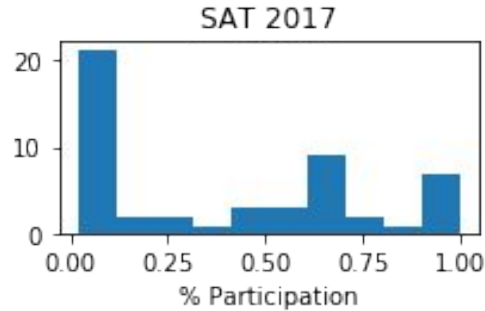
Lucas Winter
Project 1
June 14, 2019

Summary

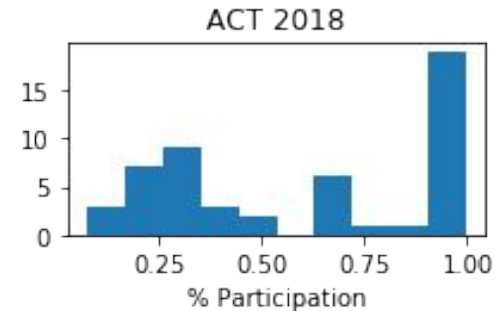
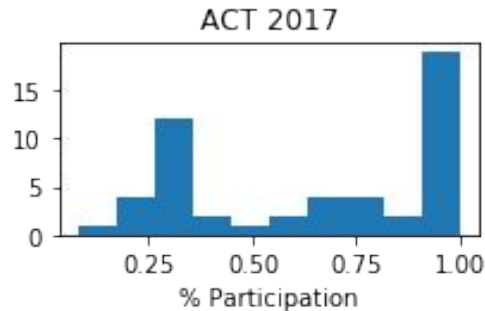
Analyzed SAT and ACT data from 2017 and 2018 to look for trends with the goal of increasing participation rates for the SAT.

SAT vs. ACT Participation Rates

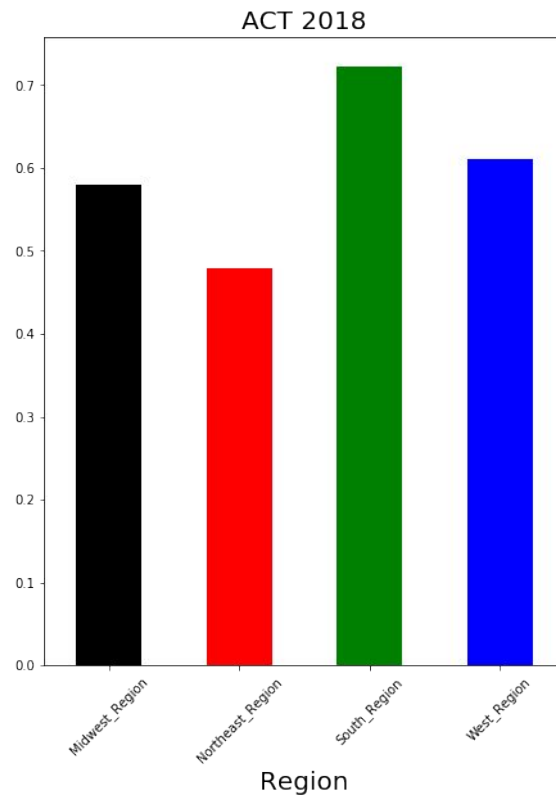
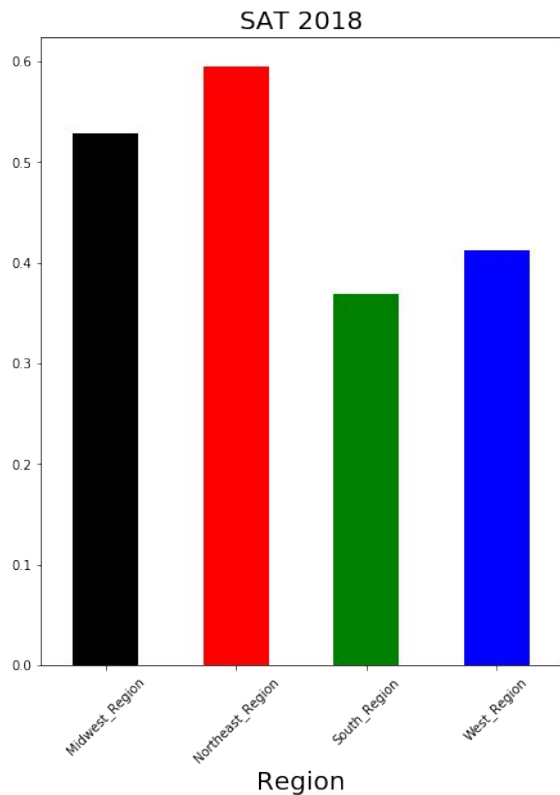
- SAT has more states with participation rates below 25% than the ACT.



- Goal: Increase participation vs. ACT.



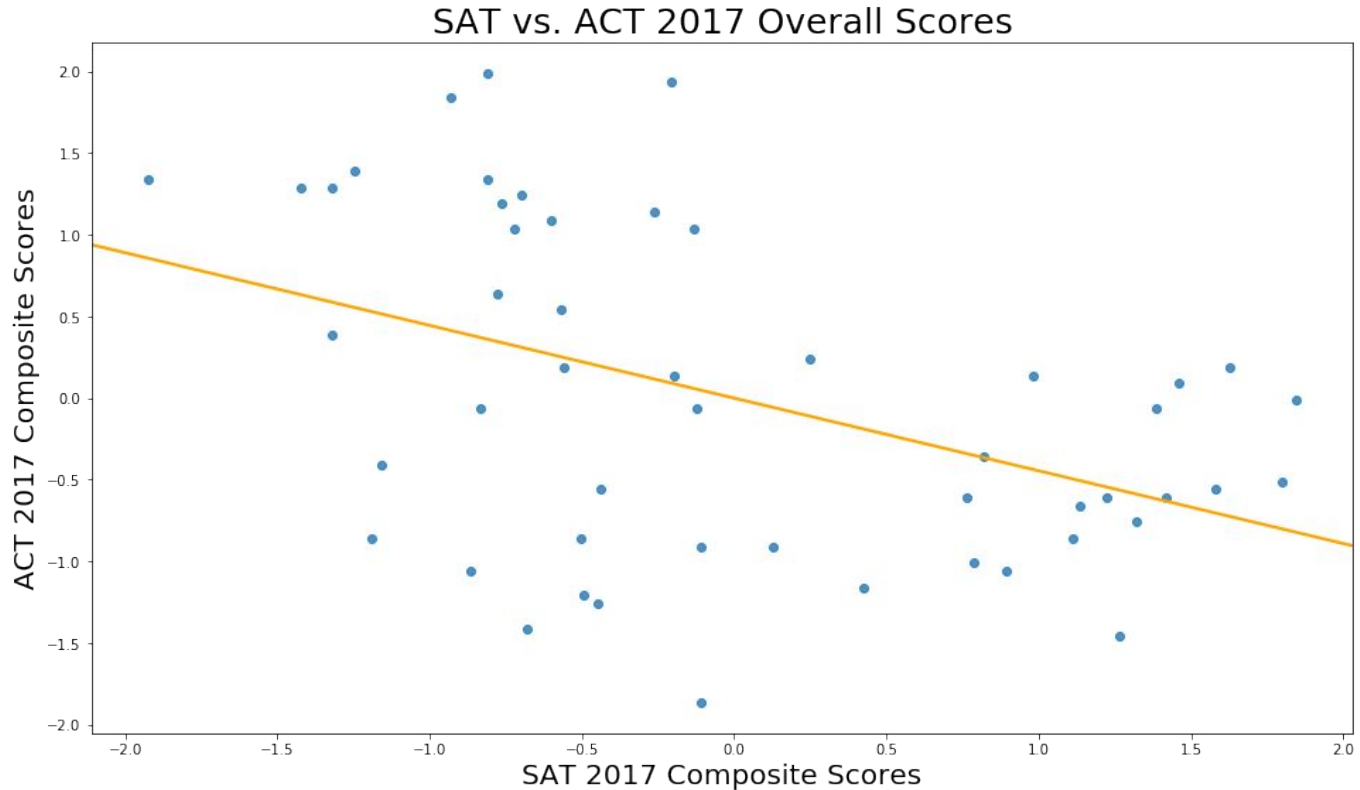
Participation by Geographical Region



Where to Focus?

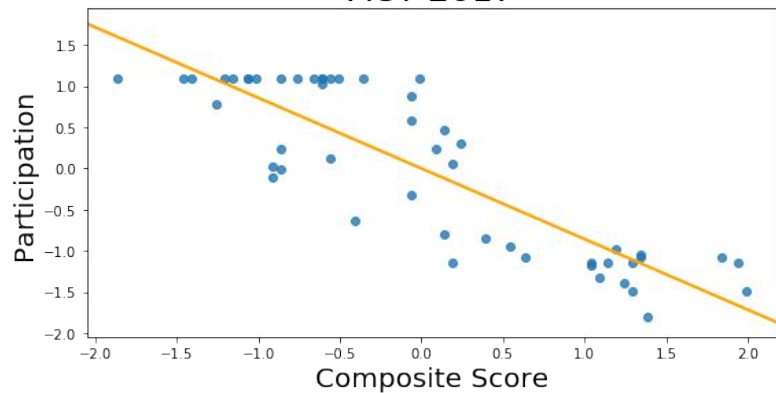
state	participation_sat_2017	participation_sat_2018	participation_act_2017	participation_act_2018
Iowa	0.02	0.03	0.67	0.68
Mississippi	0.02	0.03	1.00	1.00
North Dakota	0.02	0.02	0.98	0.98
Wyoming	0.03	0.03	1.00	1.00
Arkansas	0.03	0.05	1.00	1.00

Not All Tests are the Same!

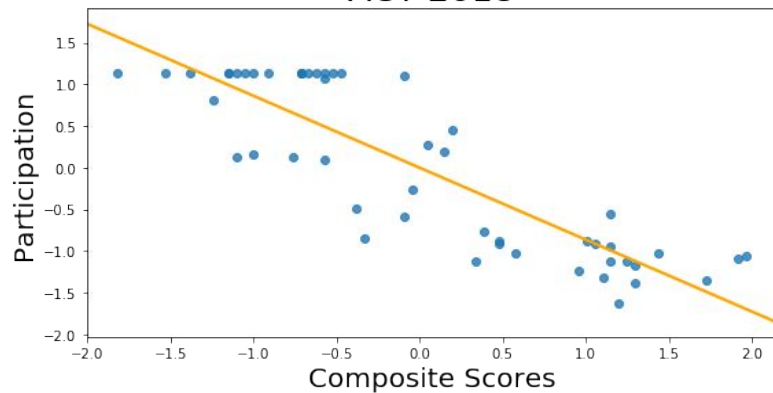


Potential Concern

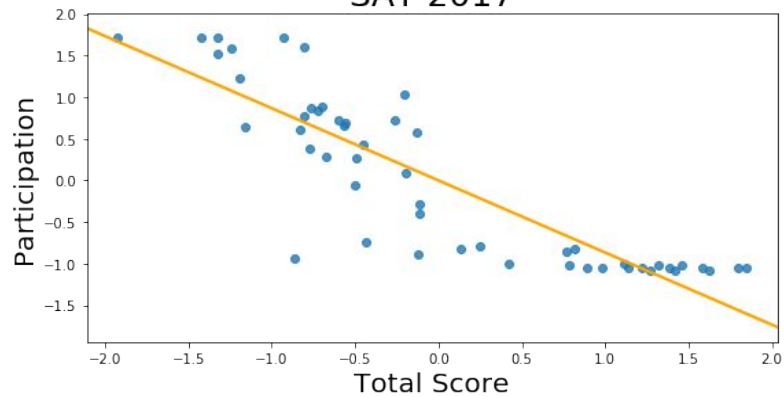
ACT 2017



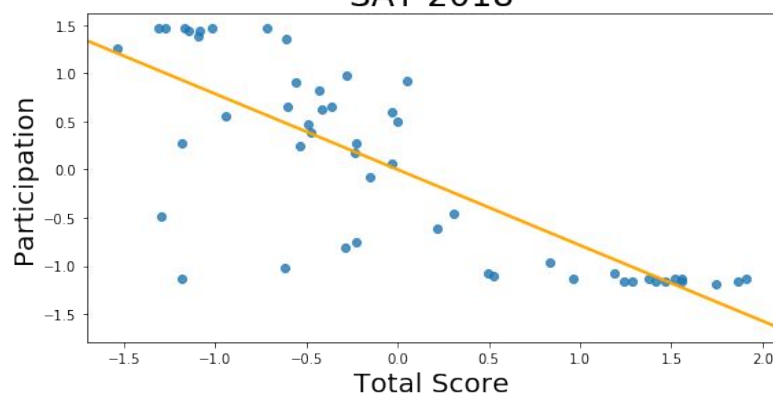
ACT 2018



SAT 2017



SAT 2018



Conclusion

- College Board should focus on increasing participation in states that have a low SAT participation rate that also have the ACT as mandatory.
- SAT and ACT scores are negatively correlated.
- The south is a great opportunity for growth.
- Keep in mind, that participation rates are inversely related to test scores for both SAT and ACT.

Sources

<https://blog.prepscholar.com/act-scores-by-state-averages-highs-and-lows>

<https://blog.collegevine.com/here-are-the-average-sat-scores-by-state/>

<https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&cad=rja&uact=8&ved=2ahUKEwi2vPDWgOfiAhUpU98KHb1KAJMQFjABegQIARAC&url=https%3A%2F%2Fwww2.census.gov%2Fprograms-surveys%2Fpopest%2Fgeographies%2F2015%2Fstate-geocodes-v2015.xls&usq=AOvVaw3ltt7GNQSeeGvJjxG53B9I>