



Sweet Home Alabama

A SAT & ACT Analysis
By Tri Nguyen



Problem Statement

	state	sat_participation_rates	reading_and_writing	sat_math	total
0	Alabama	0.05	593	572	1165
1	Alaska	0.38	547	533	1080
2	Arizona	0.30	563	553	1116
3	Arkansas	0.03	614	594	1208
4	California	0.53	531	524	1055

	state	sat_participation_rates	reading_and_writing	sat_math	total
0	Alabama	0.06	595	571	1166
1	Alaska	0.43	562	544	1106
2	Arizona	0.29	577	572	1149
3	Arkansas	0.05	592	576	1169
4	California	0.60	540	536	1076

Alabama has a low participation rate in the SAT standardized test according to the 2017 and 2018 reported test scores

ACT

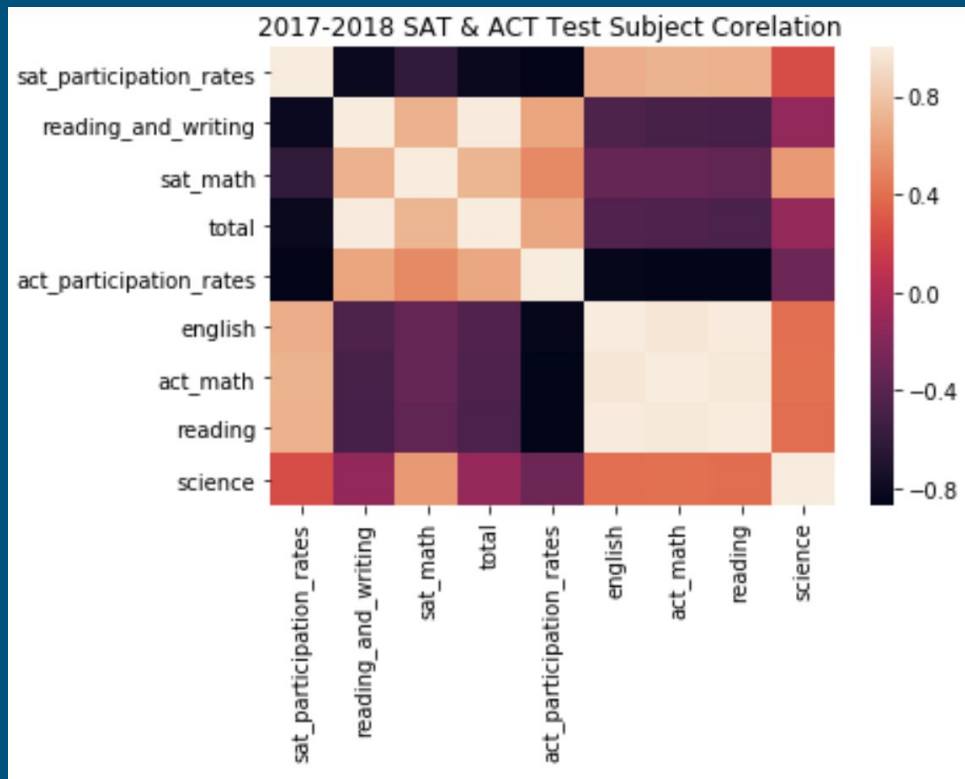
Yet, have a 100% participation rate in the 2017 and 2018 ACT standardized test

	state	act_participation_rates	english	act_math	reading	science	composite
1	Alabama	1.00	18.9	18.4	19.7	19.4	19.2
2	Alaska	0.65	18.7	19.8	20.4	19.9	19.8
3	Arizona	0.62	18.6	19.8	20.1	19.8	19.7
4	Arkansas	1.00	18.9	19.0	19.7	19.5	19.4
5	California	0.31	22.5	22.7	23.1	22.2	22.8

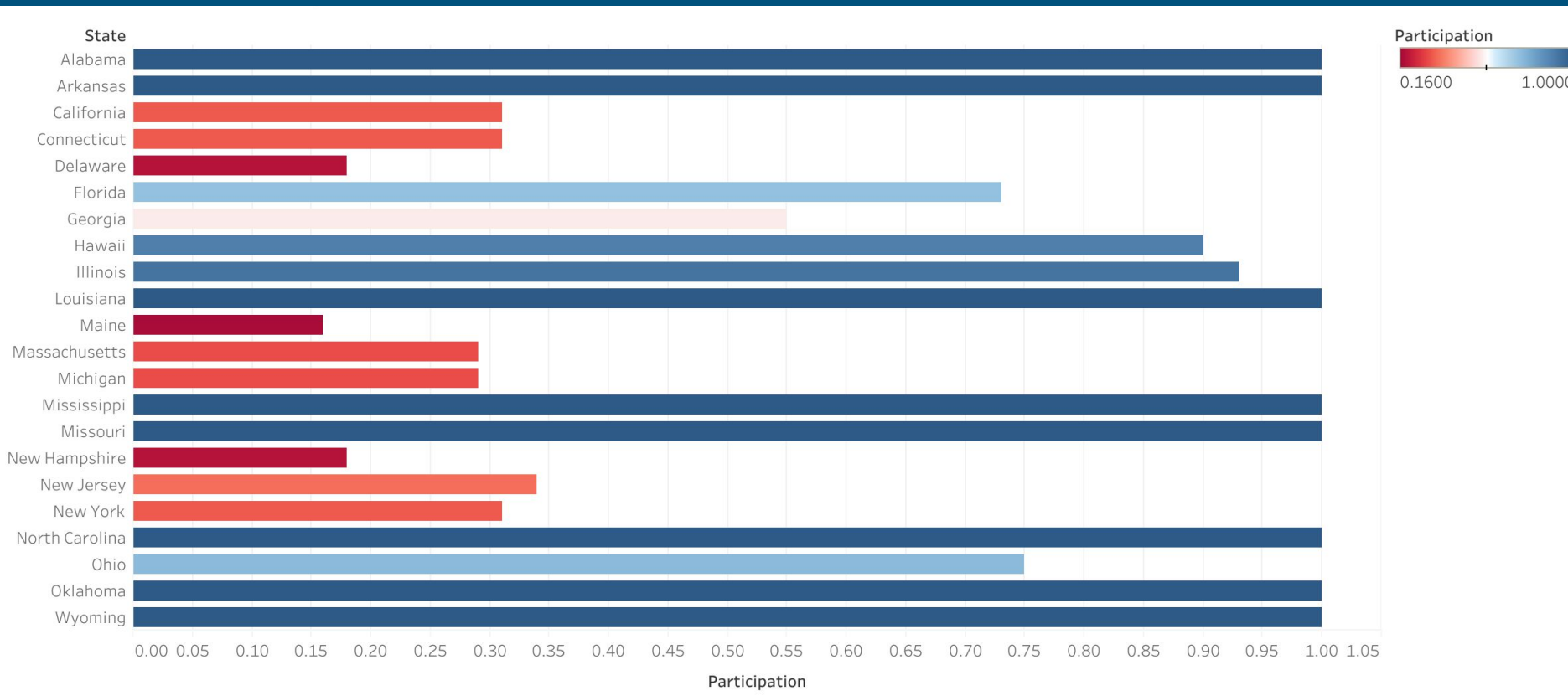
	state	act_participation_rates	composite
0	Alabama	1.00	19.1
1	Alaska	0.33	20.8
2	Arizona	0.66	19.2
3	Arkansas	1.00	19.4
4	California	0.27	22.7

Why ACT?

- State requirement including Alabama, Wisconsin, and North Carolina
- More content based than SAT
- 20 States are contracted to be provided free ACT testing to its public schools
- Alabama also has a high poverty rate
- SAT score scale: 400-1600
- ACT score scale: 1-36



Affected by Culture?



Conclusion

- Alabama may benefit from free accessible SAT Testing to its public school predicting an increase in Alabama's SAT participation rate.
- This benefits the student in having more chances to be recognized to a college and gives the SAT more recognition.

