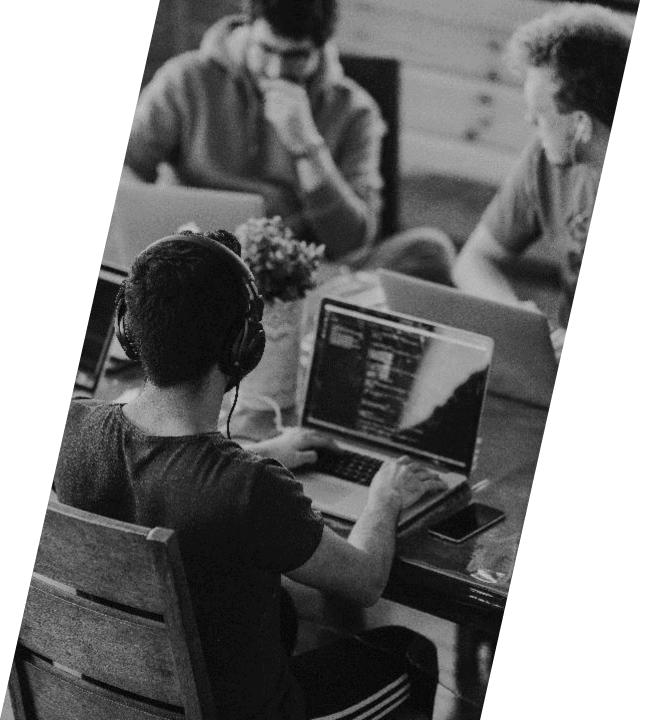
PROJECT 1: STANDARDIZED TEST ANALYSIS

SAT AND ACT STATE-WISE SCORES
ANALYSIS



AGENDA

INTRODUCTION

DATA TRENDS

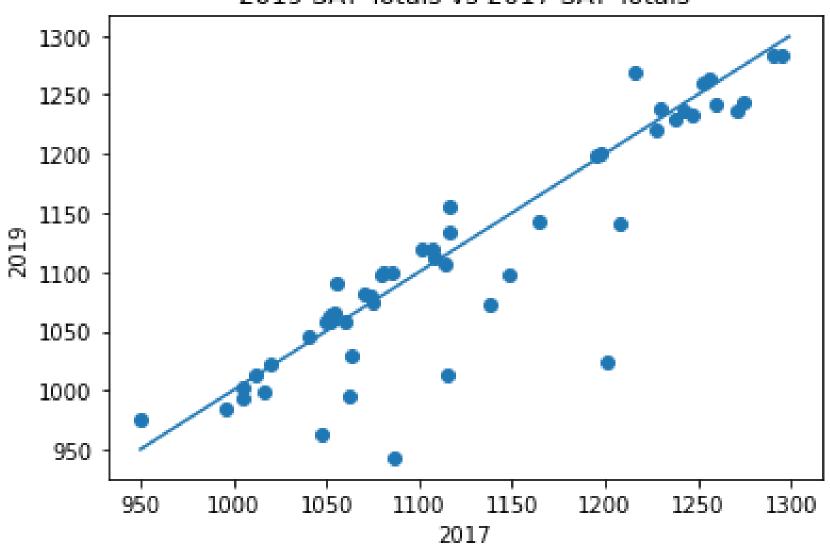
DATA TRENDS EXPLANATION

EXPLAINING FINDINGS

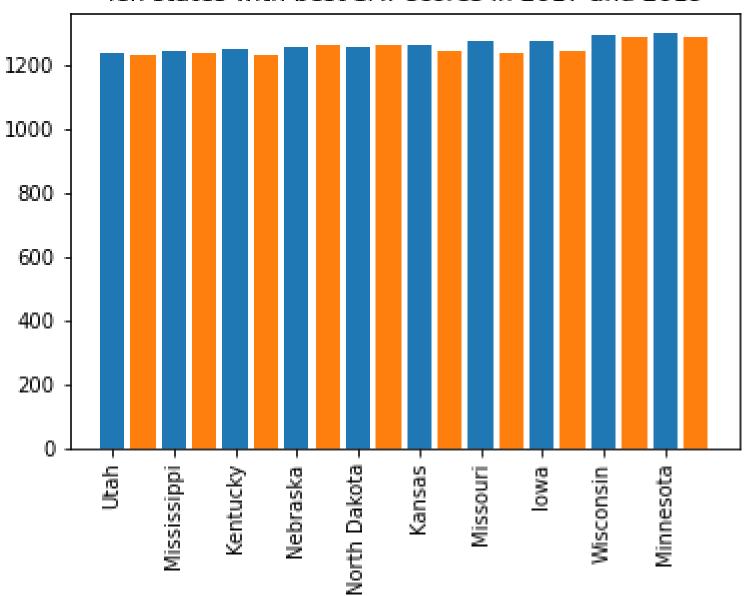
Q&A

SAT SCORE DISTRIBUTION

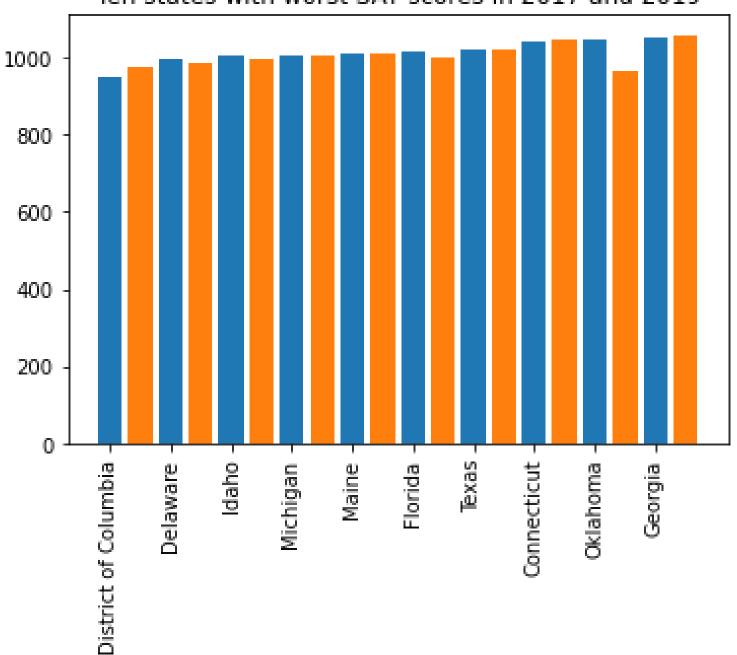
2019 SAT Totals vs 2017 SAT Totals



Ten states with best SAT scores in 2017 and 2019



Ten states with worst SAT scores in 2017 and 2019



SUMMARY OF CORRELATIONS BETWEEN SCORES

- There is a positive correlations between ACT and SAT score for Participation.
- There is a positive correlations between SAT and ACT scores for Participation.
- There is a negative correlations between ACT and ACT Participation. Same correlations participation between SAT and SAT scores.

																	-1.00
participation_2017 -	1	-0.87	-0.57	-0.87	0.84	-0.7	-0.67	-0.69	-0.84	0.69	0.71	0.71	0.25	-0.8	0.67		100
ebrw_2017 -	-0.87	1	0.63	1	-0.84	0.9	0.88	0.89	0.72	-0.46	-0.49	-0.49	-0.14	0.72	-0.47		- 0.75
math_2017 -	-0.57	0.63	1	0.63	-0.55	0.56	0.56		0.51	-0.35	-0.34	-0.36	0.59	0.48	-0.27		- 0.75
total_2017 -	-0.87	1	0.63	1	-0.84	0.9	0.89	0.9	0.7	-0.44	-0.45	-0.47	-0.12	0.7	-0.44		0.50
participation_2019 -	0.84	-0.84	-0.55	-0.84	1	-0.87	-0.85	-0.86	-0.72	0.62	0.61	0.63	0.2	-0.87	0.72		- 0.50
ebrw_2019 -	-0.7	0.9	0.56	0.9	-0.87	1	0.99	1	0.58	-0.38	-0.37	-0.4	-0.11	0.69	-0.46		
math_2019 -	-0.67	0.88	0.56	0.89	-0.85	0.99	1	1	0.53	-0.32	-0.28	-0.34	-0.065	0.64	-0.39		- 0.25
total_2019 -	-0.69	0.89		0.9	-0.86	1	1	1	0.55	-0.35	-0.32	-0.37	-0.086	0.67	-0.42		
participation_2017_act -	-0.84	0.72	0.51	0.7	-0.72	0.58	0.53	0.55	1	-0.84	-0.86	-0.87	-0.3	0.9	-0.78		- 0.00
English -	0.69	-0.46	-0.35	-0.44	0.62	-0.38	-0.32	-0.35	-0.84	1	0.97	0.99	0.4	-0.79	0.93		
math_2017_act -	0.71	-0.49	-0.34	-0.45	0.61	-0.37	-0.28	-0.32	-0.86	0.97	1	0.98	0.41	-0.8	0.93		0.25
reading_2017_act -	0.71	-0.49	-0.36	-0.47	0.63	-0.4	-0.34	-0.37	-0.87	0.99	0.98	1	0.4	-0.8	0.93		
science_2017_act -	0.25	-0.14	0.59	-0.12	0.2	-0.11	-0.065	-0.086	-0.3	0.4	0.41	0.4	1	-0.3	0.46		0.50
participation_2019_act -	-0.8	0.72	0.48	0.7	-0.87	0.69	0.64	0.67	0.9	-0.79	-0.8	-0.8	-0.3	1	-0.87		
Composite -	0.67	-0.47	-0.27	-0.44	0.72	-0.46	-0.39	-0.42	-0.78	0.93	0.93	0.93	0.46	-0.87	1		0.75
	participation_2017 -	ebrw_2017 -	math_2017 -	total_2017 -	participation_2019 -	ebrw_2019 -	math_2019 -	total_2019 -	participation_2017_act -	English –	math_2017_act -	reading_2017_act -	science_2017_act -	participation_2019_act -	Composite -		

CONCLUSION

- 1 -SAT EBRW score of 18 states have increase while 33 have decreased from 2017 to 2019
- 2- SAT Math score of 29 states have increase while
 22 have decreased from 2017 to 2019
- 3- SAT Total score of 26 states have increase while
 25 have decreased from 2017 to 2019
- 4- Top ten states with highest SAT scores from 2017 to 2019 remains the same. Mostly in Mid-West.

THANK YOU

Q&A