
Is SAT or ACT a better test to represent a candidate?

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Participation Rate

17 states have 100% participation in 2017 and 2018

	state	part_sat_17
6	Connecticut	100.0
7	Delaware	100.0
8	District of Columbia	100.0
22	Michigan	100.0

	state	part_sat_18
5	Colorado	100.0
6	Connecticut	100.0
7	Delaware	100.0
12	Idaho	100.0
22	Michigan	100.0

	state	part_act_17
0	Alabama	100.0
3	Arkansas	100.0
5	Colorado	100.0
17	Kentucky	100.0
18	Louisiana	100.0
23	Minnesota	100.0
24	Mississippi	100.0
25	Missouri	100.0
26	Montana	100.0
28	Nevada	100.0
33	North Carolina	100.0
36	Oklahoma	100.0
40	South Carolina	100.0
42	Tennessee	100.0
44	Utah	100.0
49	Wisconsin	100.0
50	Wyoming	100.0

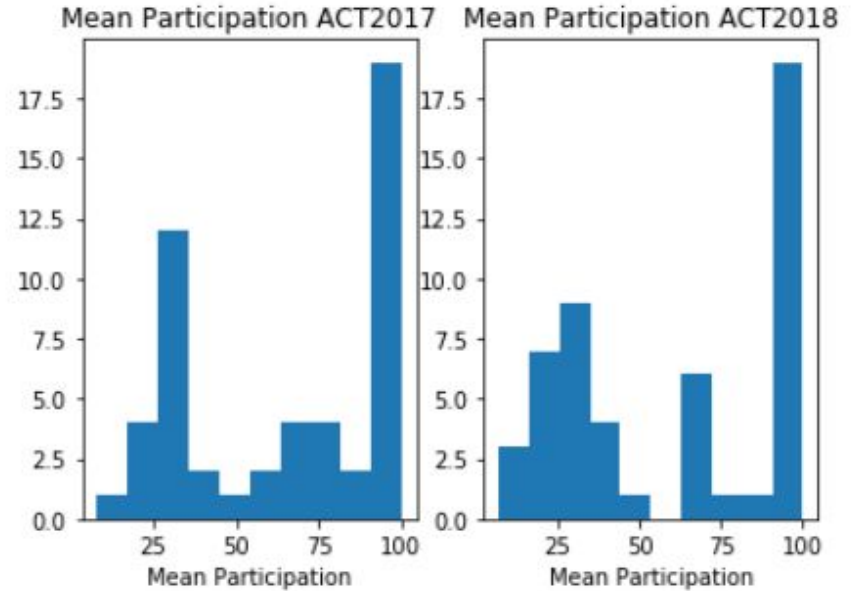
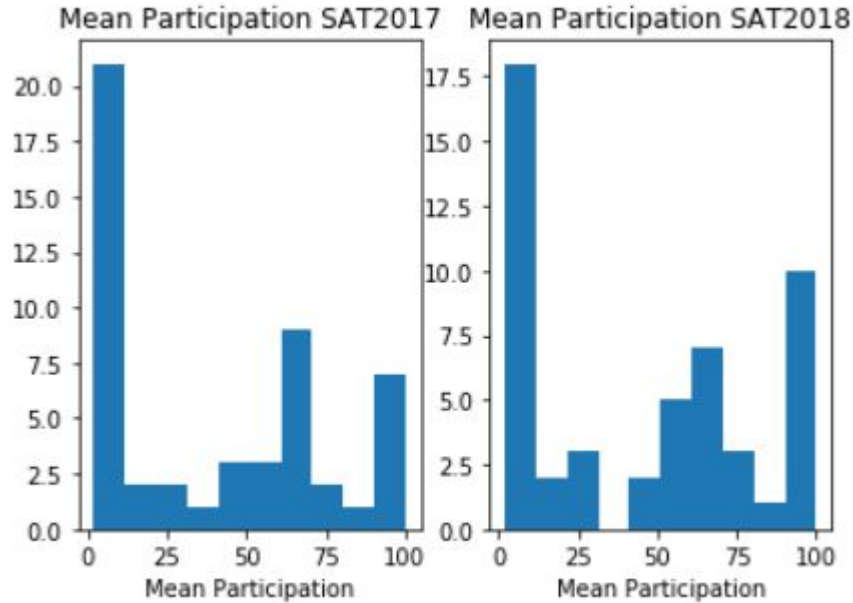
	state	part_act_18
0	Alabama	100
3	Arkansas	100
17	Kentucky	100
18	Louisiana	100
24	Mississippi	100
25	Missouri	100
26	Montana	100
27	Nebraska	100
28	Nevada	100
33	North Carolina	100
35	Ohio	100
36	Oklahoma	100
40	South Carolina	100
42	Tennessee	100
44	Utah	100
49	Wisconsin	100
50	Wyoming	100

Histogram plots

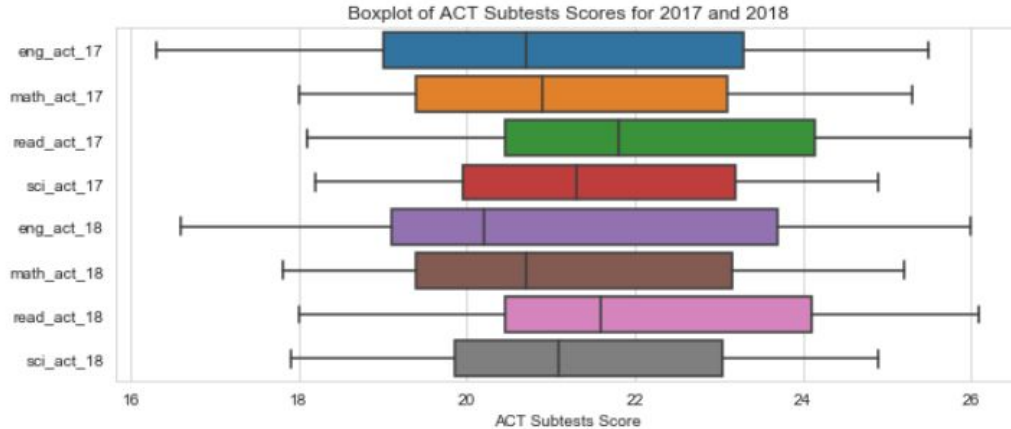
More low counts in SAT

AND

More high counts in ACT

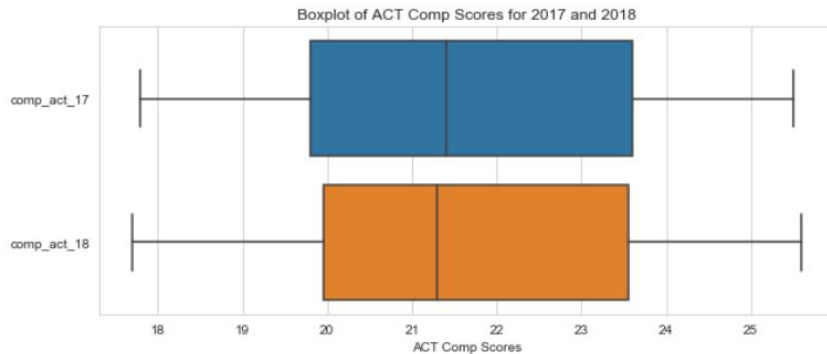


Box plots



4 categories, better assessment.

Smaller IQR, smaller deviation



Conclusion and Recommendations

H_0 : The true mean difference in performance between SAT and ACT is 0.

H_A : The true mean difference in performance between SAT and ACT is NOT 0.

t_stat, p_value

(13.042077170590655, 1.3200006279828572e-28)

Test: ACT

Country : Texas



The University of Texas at Austin
Office of Admissions

University of Texas-Austin Promises Free Tuition For Low-Income Students In 2020

July 10, 2019 · 5:01 PM ET

Citations:

<https://admissions.utexas.edu/explore/freshman-profile>

<https://www.npr.org/2019/07/10/740387601/university-of-texas-austin-promises-free-tuition-for-low-income-students-in-2020>