

DSI project 1

: Standardized Test Analysis

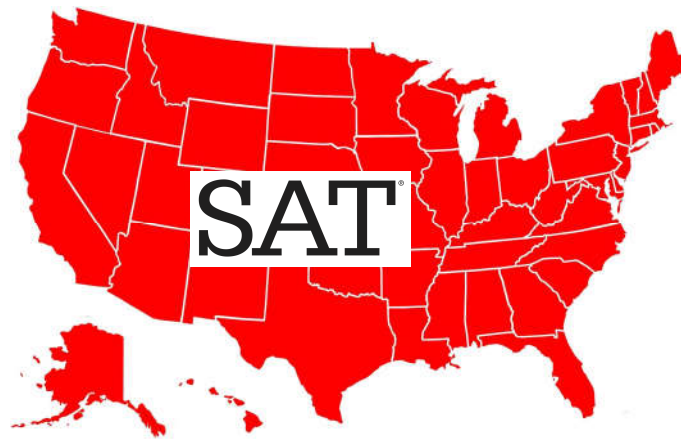
Mr. Monthon Chueakhamlue

Problem statement

"Which **Top 3 States**

make a **significant improvement in SAT Participation Rate**

during 2017-2019?"



Data source:

SAT and ACT is standardized test for high school juniors

SAT 2017-2019



from <https://blog.collegevine.com>

ACT 2017-2019



from <https://blog.prepscholar.com>

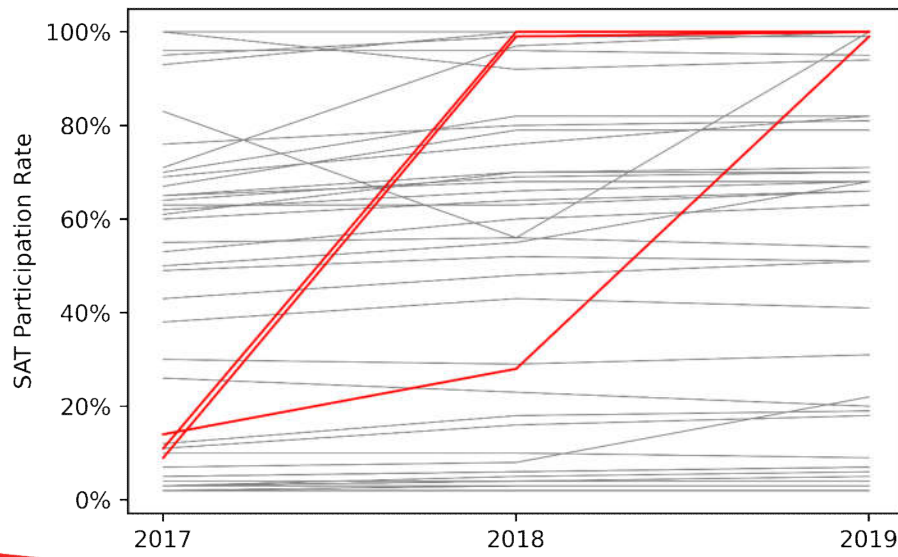
State	Participation_Rate_SAT_2017	Participation_Rate_SAT_2018	Participation_Rate_SAT_2019
Alabama	0.05	0.06	0.07
Alaska	0.38	0.43	0.41
Arizona	0.30	0.29	0.31
Arkansas	0.03	0.05	0.06
California	0.53	0.60	0.63

State	Participation_Rate_ACT_2017	Participation_Rate_ACT_2018	Participation_Rate_ACT_2019
Alabama	1.00	1.00	1.00
Alaska	0.65	0.33	0.38
Arizona	0.62	0.66	0.73
Arkansas	1.00	1.00	1.00
California	0.31	0.27	0.23

Tool :



Trend of SAT participation rate by state, year

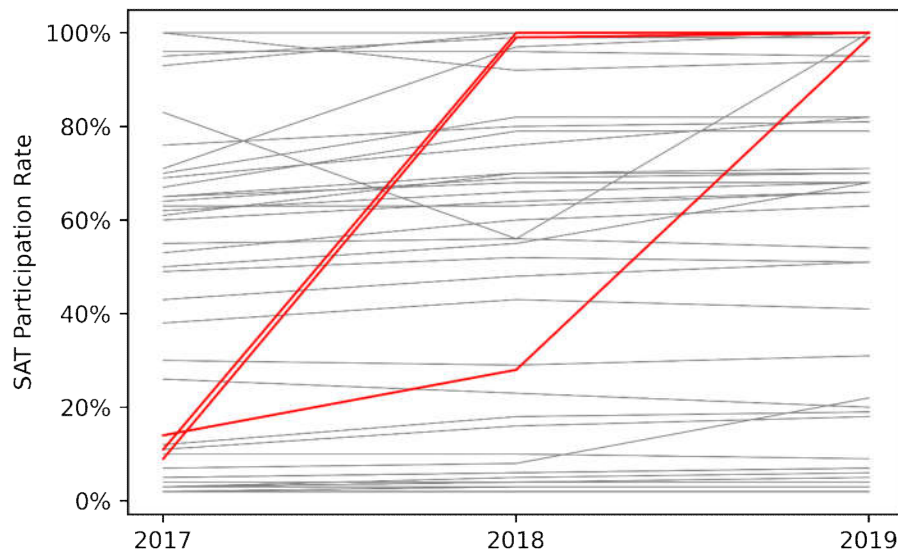


Trend of SAT participation rate by state, year



Colorado, Illinois, West Virginia

have significantly improvement SAT participation rate from ~10% to **100%**

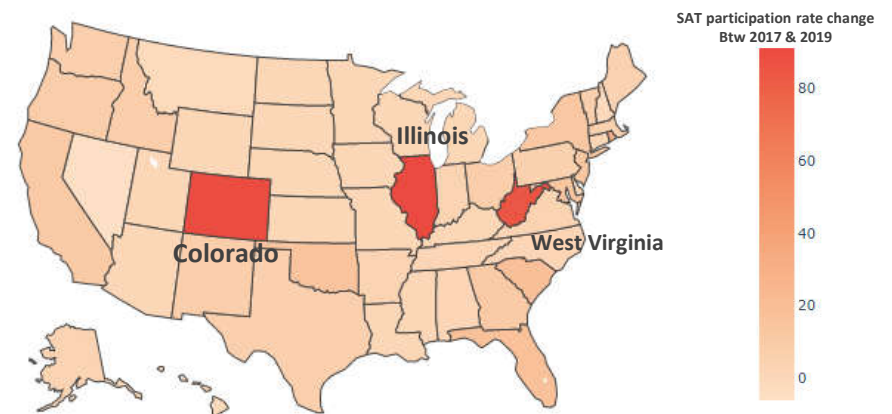
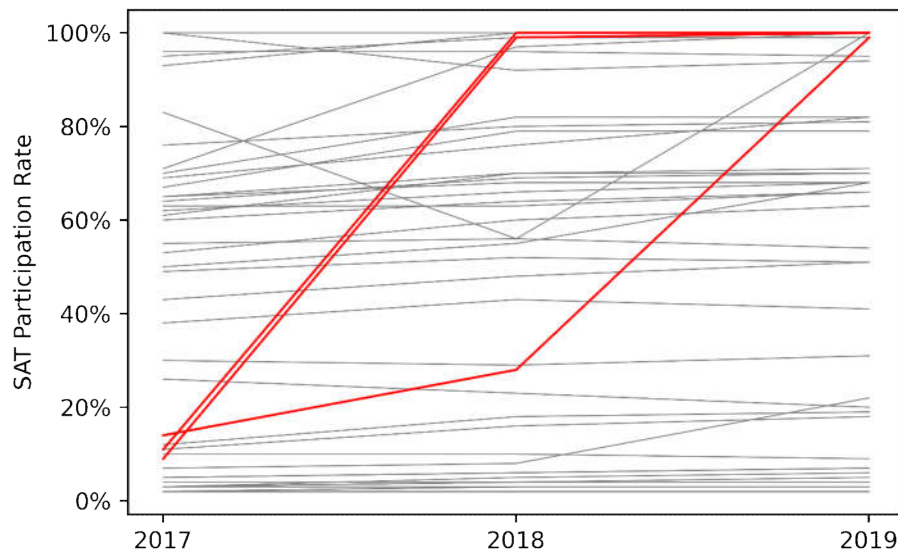


Trend of SAT participation rate by state, year

true
together

Colorado, Illinois, West Virginia

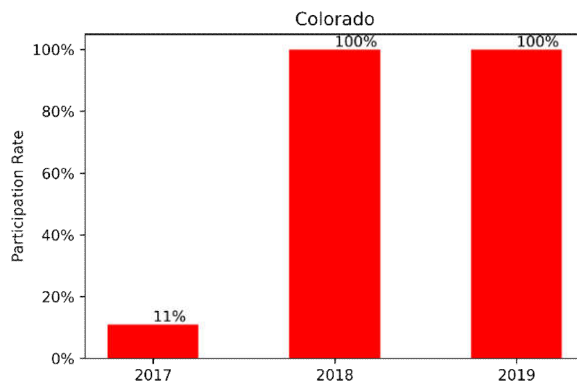
have significantly improvement **SAT participation rate** from **~10%** to **100%**



What's change?

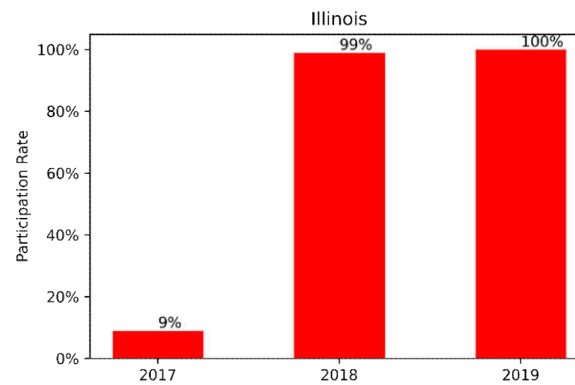


Colorado



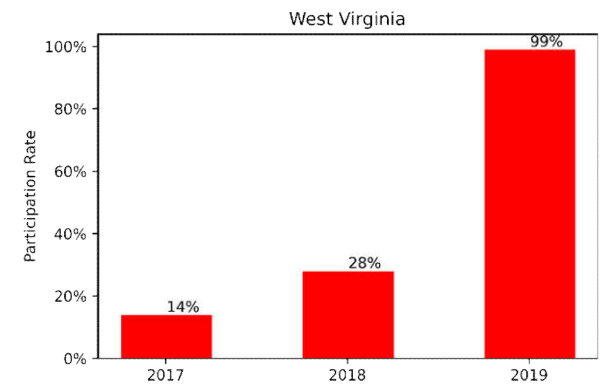
Ref: <https://www.testive.com/colorado-sat-change-2017/>

Illinois



Ref: <https://www.chicagotribune.com/news/ct-illinois-chooses-sat-met-20160211-story.html>

West Virginia

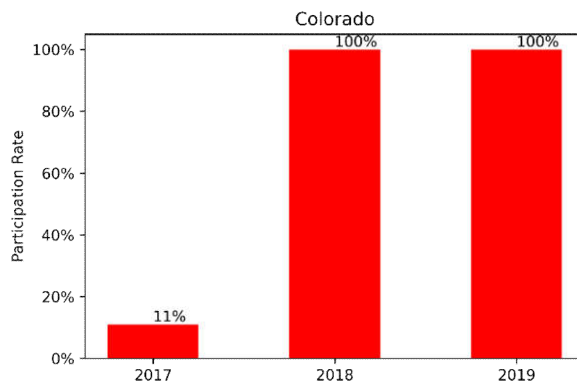


Ref: https://www.wvgazettemail.com/news/education/wv-chooses-sat-as-new-high-school-standardized-test-for-juniors/article_b60d2618-4943-56f6-b180-4b4442172ef8.html

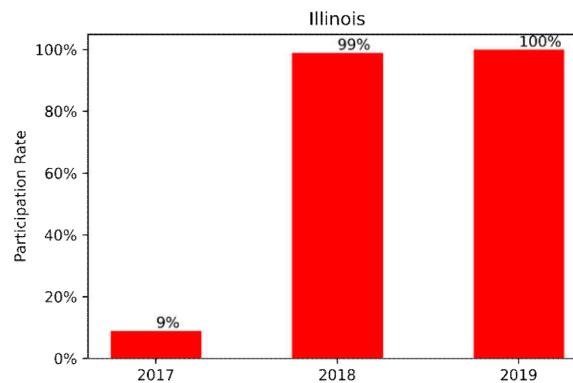
What's change?

true
together

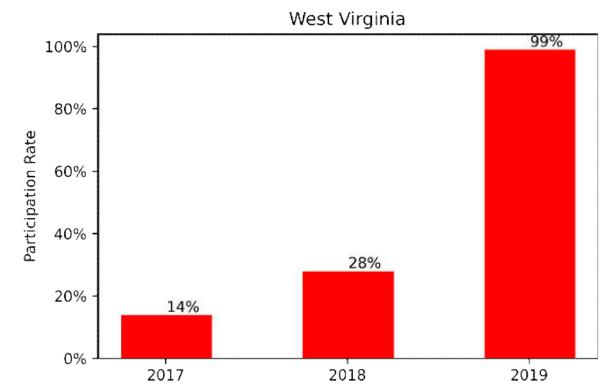
All **Colorado** high school juniors will take the SAT.



Illinois moves ahead with new testing plan, replacing ACT with SAT



West Virginia chooses SAT as new high school standardized test for juniors



They change policy for **using SAT as new standardized test** for junior high schools

Ref: <https://www.testive.com/colorado-sat-change-2017/>

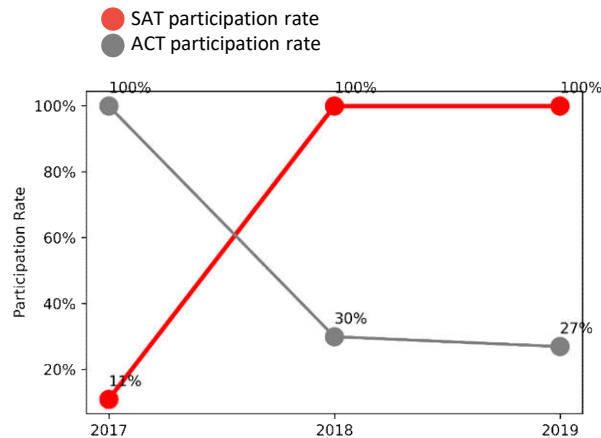
Ref: <https://www.chicagotribune.com/news/ct-illinois-chooses-sat-met-20160211-story.html>

Ref: https://www.wvgazettemail.com/news/education/wv-chooses-sat-as-new-high-school-standardized-test-for-juniors/article_b60d2618-4943-56f6-b180-4b4442172ef8.html

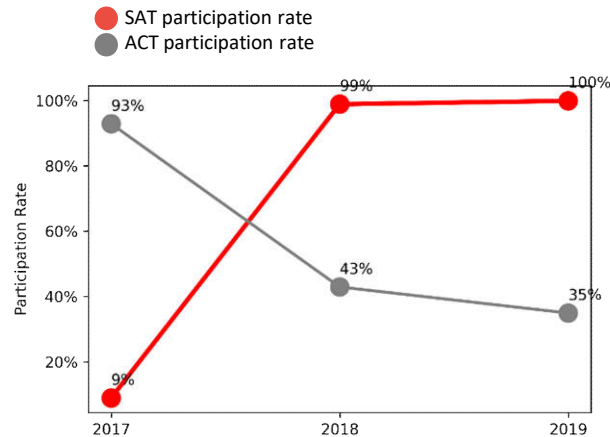
What's about ACT?



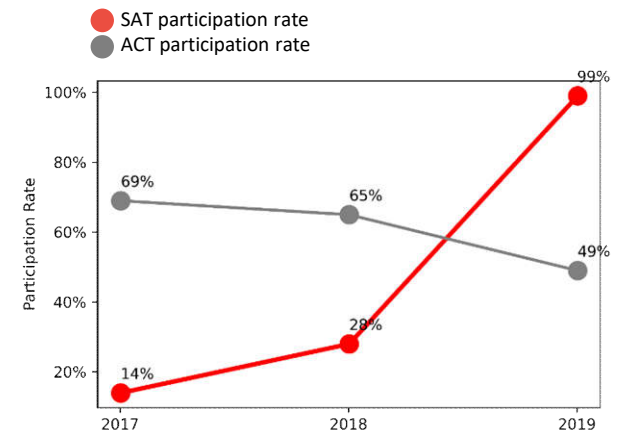
All **Colorado** high school juniors will take the SAT.



Illinois moves ahead with new testing plan, replacing ACT with SAT



West Virginia chooses SAT as new high school standardized test for juniors



ACT participation rate has significantly decreased after the states changed the policy

Conclusion



Key takeaways :

1. **Colorado, Illinois and West Virginia** are **the Top 3 states**, which make a significant improvement in SAT Participation Rate during 2017-2019.
2. These states **change policy for using SAT as new standardized test** for junior high schools.
3. **ACT** participation rate has **significantly decreased** after the states changed the policy.

Conclusion :

States policy make a significant change in participation rate.

The background is a solid white page. A large, abstract graphic composed of several overlapping triangles in two shades of red (a darker maroon and a lighter red) is positioned on the left and center. A thin white horizontal line runs across the top of the page, starting from the left edge and ending just before the red graphic begins.

Thank You