

Project 1: Analysis of SAT & ACT Tests

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DSI 28

29 April 2022

Agenda

1. Context
2. Key Question
3. Methodology
4. Key Findings
5. Recommendations

Has the pandemic put an end to the SAT and ACT?

WSJ

• MASK Q&A

BA.2 VARIANT

TREATING COVID

COVID TRACKER

BOOSTER Q&A

SECOND BOOSTER

VACCINATING C

U.S.

Covid-19 Is Making SAT, ACT Harder to Take

Exams canceled for many students seeking to take them, leaving some to travel hours to find open sites

How the Pandemic Could Transform Higher Ed

THE WALL STREET JOURNAL

Coronavirus Prompts Colleges to Send Students Home

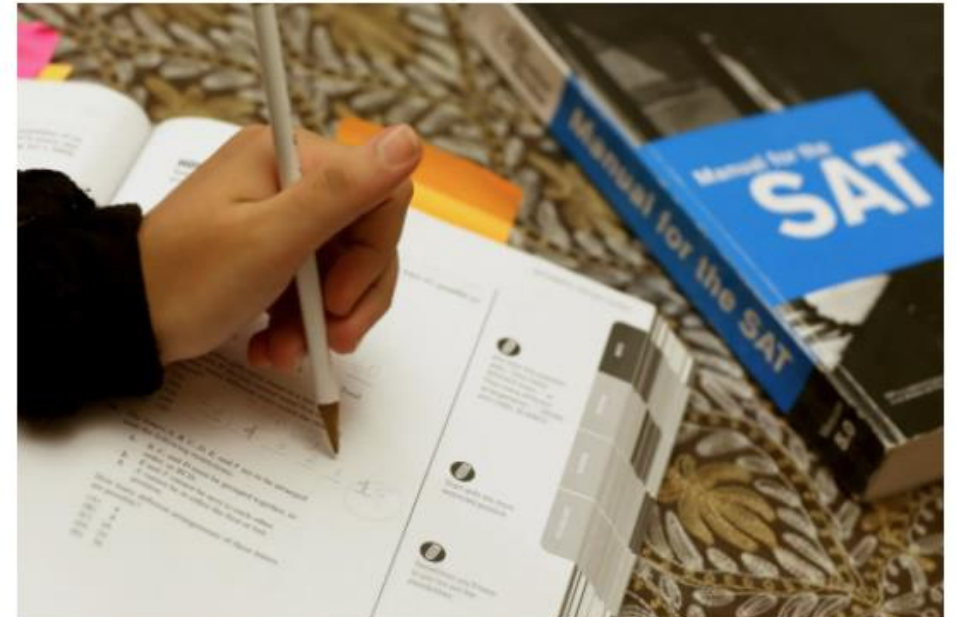
MARCH 10, 2020 | MELISSA KORN

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More Colleges Are Waiving SAT and ACT Requirements

With high school disrupted, a growing number of schools — including Harvard and Cornell — are waiving standardized testing requirements for 2021 applicants.

Give this article



In 2022: Mixed policies on testing requirements

MIT to resume requiring SAT scores for admission

By BELINDA ROBINSON in New York | China Daily Global | Updated: 2022-04-01 11:13



A sign on the campus of Massachusetts Institute of Technology on July 8, 2020 in Cambridge, Massachusetts.

Forbes

EDUCATION

Yale And Princeton Will Extend Test-Optional Admissions For Another Year

Michael T. Nietzel Senior Contributor

I am a former university president who writes about higher education.

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Feb 16, 2022, 02:26pm EST



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Key Question

How should College Board and ACT Inc. re-allocate their resources to improve participation rates in future tests?



Sub Questions

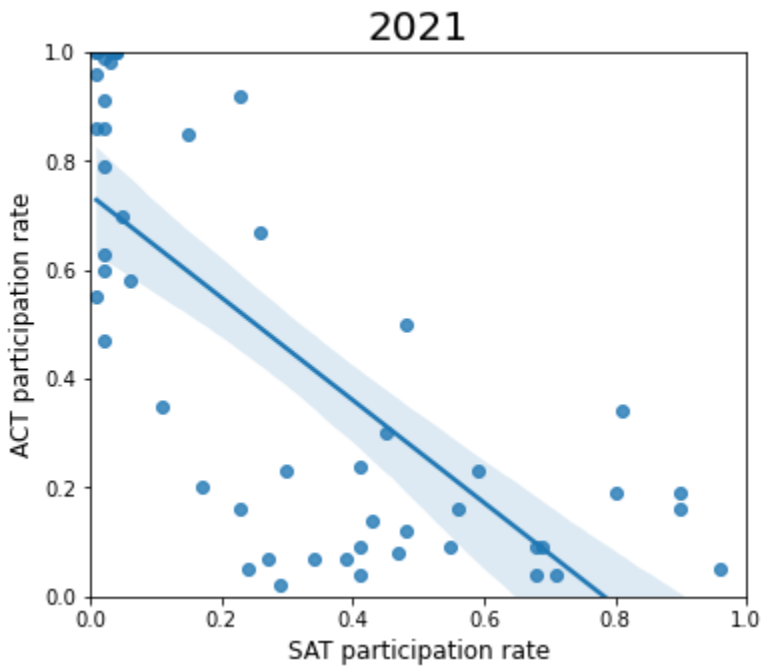
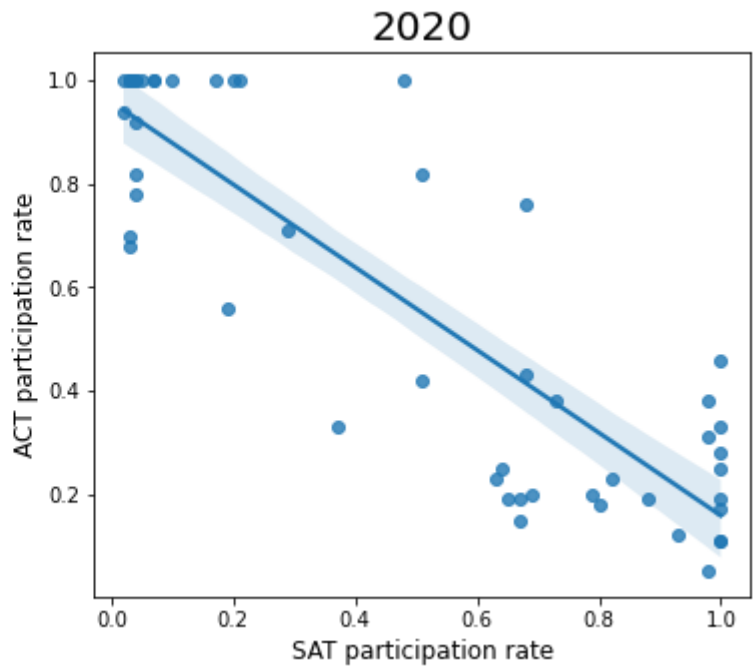
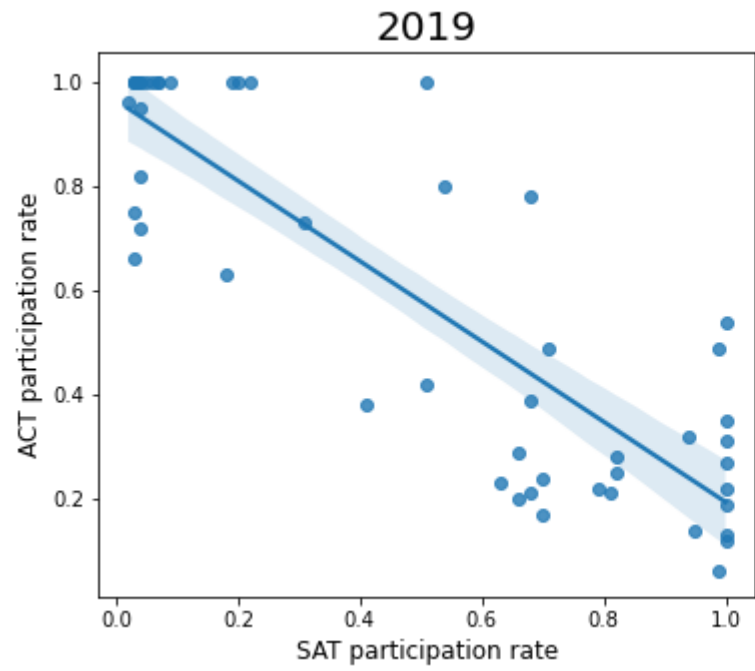
- Which states had high participation rates before the pandemic?
- Which states had the greatest decline in exam participation rates during the pandemic?
- Which states should be allocated more resources?

Methodology

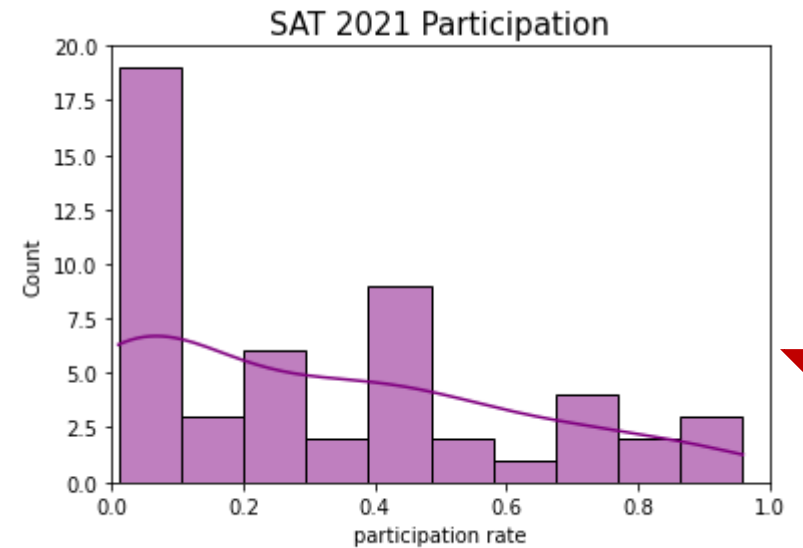
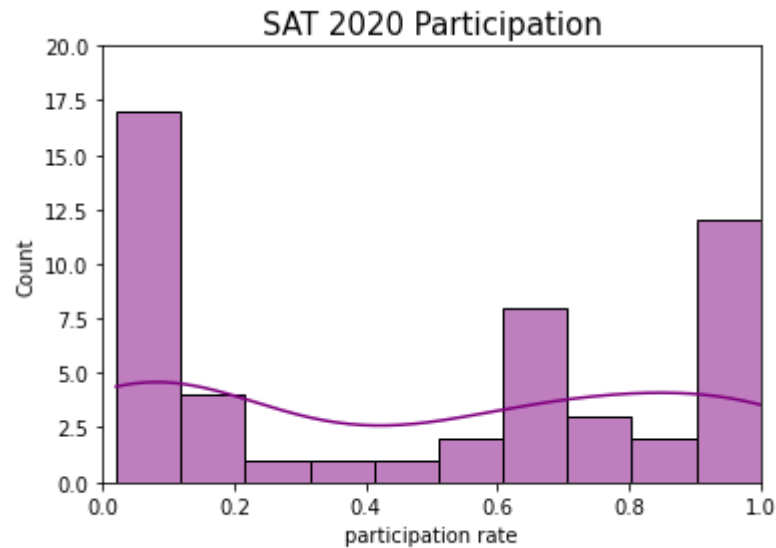
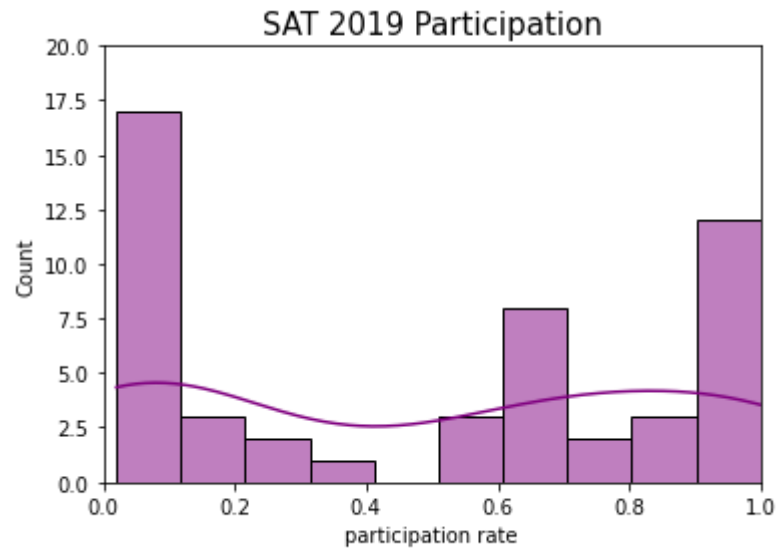
- Gather data
 - Scope: SAT/ACT participation rates from 2019 to 2021
- Clean/Prepare
- Explore
- Visualise
- Conclusion & Recommendations

Key Findings

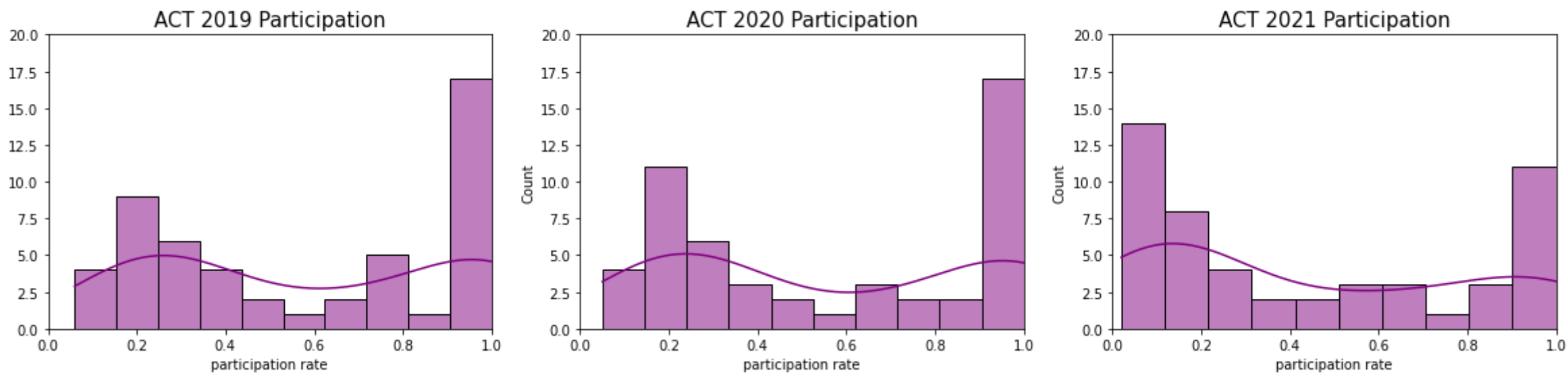
As ACT participation rate  SAT participation rate  (and vice versa)




Fewer states with high SAT participation rates in 2021




Similarly for ACT (though not as drastic) ...



ACT Participation Rate

- Average
2019: 58%
2021: 44% 
- **43 states** had declining ACT participation rates from 2019 to 2021.

SAT Participation Rate

- Average
2019: 49%
2021: 31% 
- **44 states** had declining SAT participation rates from 2019 to 2021.

To improve future participation rates, test administrators should focus on states with:

1. **Above average** participation rate in **pre-pandemic period** i.e. 2019, and
2. **Greatest decline** in participation rate in the **pandemic period** i.e. 2019 to 2021.

ACT Inc. should focus on the following states:

	State	Participation Rate in 2019	% Diff 2019 to 2021
1	New Mexico	0.63	-0.63
2	Arizona	0.73	-0.52
3	Oklahoma	1.00	-0.42
4	Minnesota	0.95	-0.36
5	South Carolina	0.78	-0.35

College Board should focus on the following states:

	State	Participation Rate in 2019	% Diff 2019 to 2021
1	Maine	0.99	-0.70
2	Oregon	0.51	-0.66
3	California	0.63	-0.61
4	Washington	0.70	-0.61
5	Massachusetts	0.81	-0.58

Thank you