



The Impact of High-Speed Internet Access on Student ACT/SAT Scores, of 2019

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Problem

Evaluating if a relationship exists between student ACT/SAT scores and high-speed internet access, in 2019

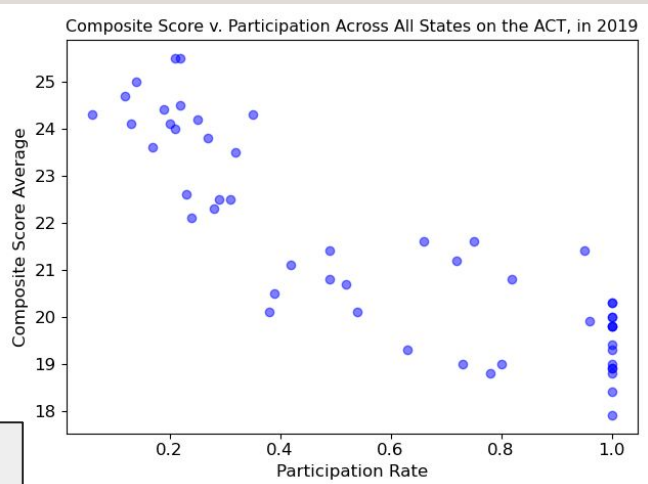
Purpose

- Developing action steps for school administrators to support students during standardized testing seasons

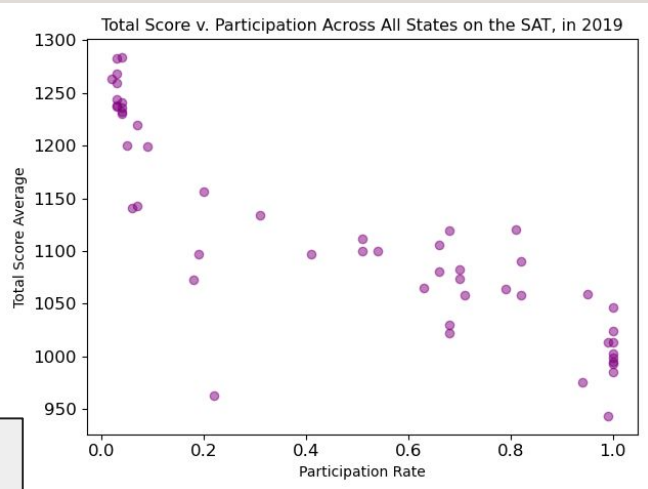
Background

- Digital divide among school-aged children
 - Approximately 15% of U.S. households with school-aged children do not have high-speed internet connection at home (Pew Research Center, 2015)
- Implications of 'homework gap' in relation to standardized testing (e.g. ACT/SAT)

ACT, 2019

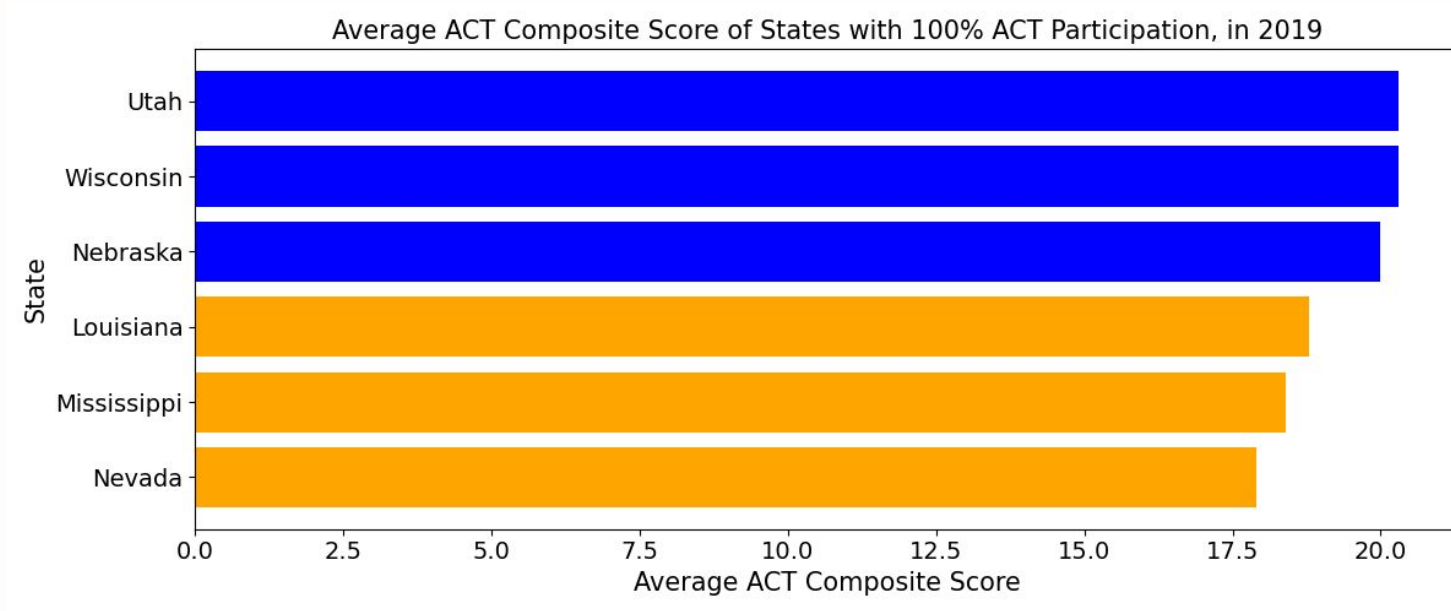


SAT, 2019



Connecting Scores and Participation of ACT/SAT, 2019

- What are some trends that you notice within these graphs?
- What other reasons can be explored?



- Identifying the highest (blue) and lowest (orange) performing states on the ACT, in 2019

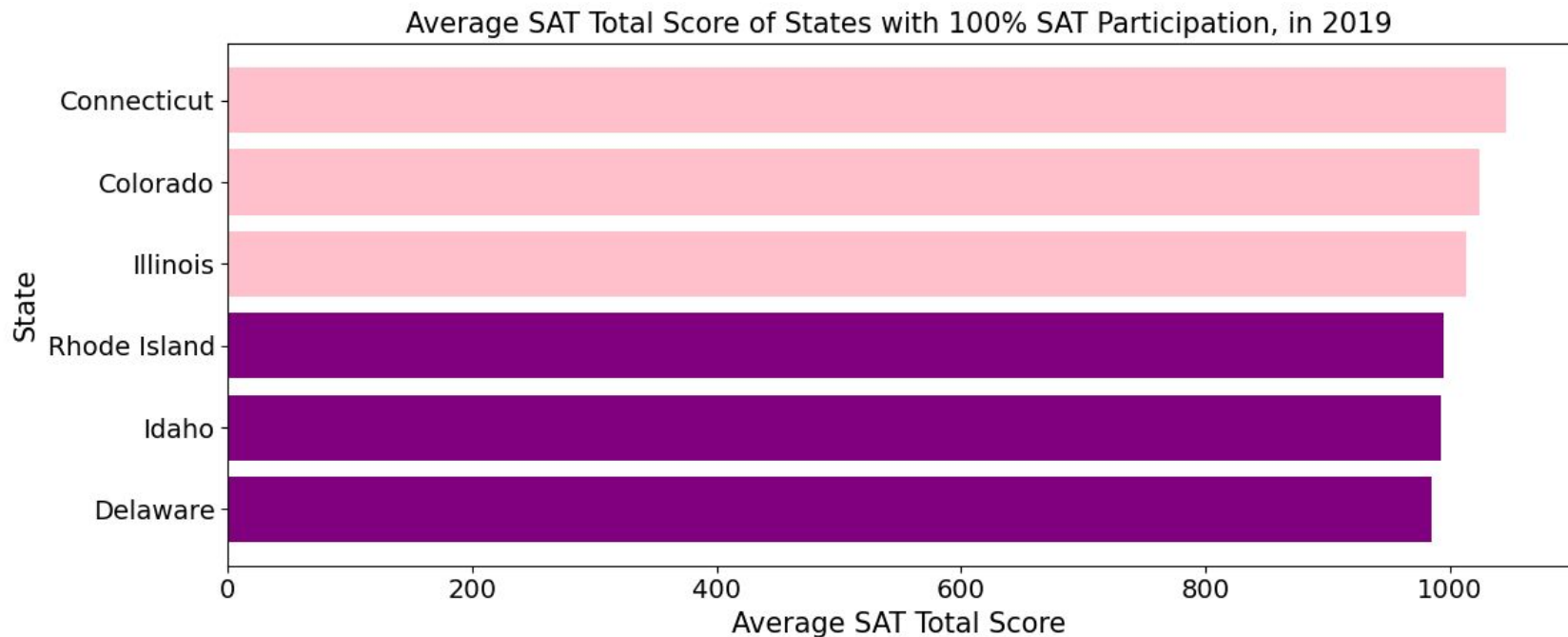
Highest-scoring states, for ACT:

	Children ages 3 to 18 (thous.)	With Desktop Computer or Laptop	With Internet Access on Desktop or Laptop
Utah	837	95.6%	94.6%
Wisconsin	1,139	91.9%	90.6%
Nebraska	421	93.0%	90.9%

Lowest-scoring states, for ACT:

	Children ages 3 to 18 (thous.)	With Desktop Computer or Laptop	With Internet Access on Desktop or Laptop
Louisiana	973	83.6%	80.4%
Mississippi	634	81.4%	79.2%
Nevada	619	88.8%	86.3%

- Identifying the highest (pink) and lowest (purple) performing states on the SAT, in 2019



Highest-scoring states, for SAT:

	Children ages 3 to 18 (thous.)	With Desktop Computer or Laptop	With Internet Access on Desktop or Laptop
Connecticut	653	92.7%	91.9%
Colorado	1,122	93.3%	92.4%
Illinois	2,524	90.9%	89.4%

Lowest-scoring states, for SAT:

	Children ages 3 to 18 (thous.)	With Desktop Computer or Laptop	With Internet Access on Desktop or Laptop
Rhode Island	182	92.5%	92.3%
Idaho	410	92.5%	90.9%
Delaware	182	91.2%	89.8%

Conclusion & Recommendations

- Create and administer a random survey within your district to identify specifically:
 - Cost of Internet services for families
 - Reliability of Internet services (e.g. speed, # of devices connected)
 - Type of devices used by students relating to schoolwork

Conclusion & Recommendations

- Identify areas within your curriculum that require technology
- Evaluation of statewide digital access funding and services

**What
questions or
concerns do
you have?**

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