## Relationship between SAT Scores and Participation (2017-2019)

Atigun sommna

## Hypothesis

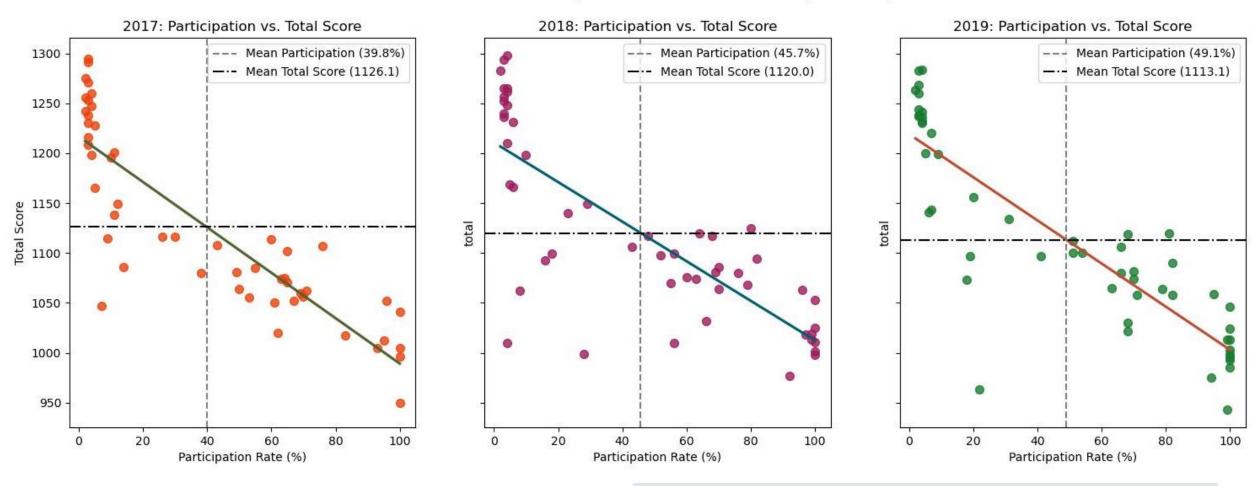
- -What is the relationship between SAT scores (total) and participation over the 3 years (2017–2019)?
- -Among the 51 states in the USA, does the requirement for all students to take the SAT affect the scores compared to states where the test is not required?

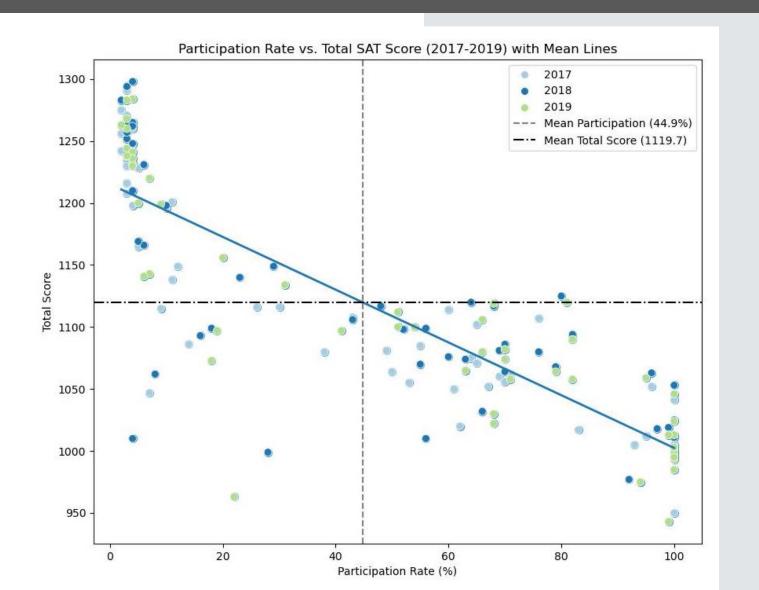


- 1. Select DataFrames from sat\_2017.csv, sat\_2018.csv, and sat\_2019.csv.
- 2. Cleaning DataFrames
- Answer the question: What is the relationship between SAT scores (total) and participation over the 3 years (2017–2019)?



Correlation between Participation Rate and Total SAT Score (2017-2019)



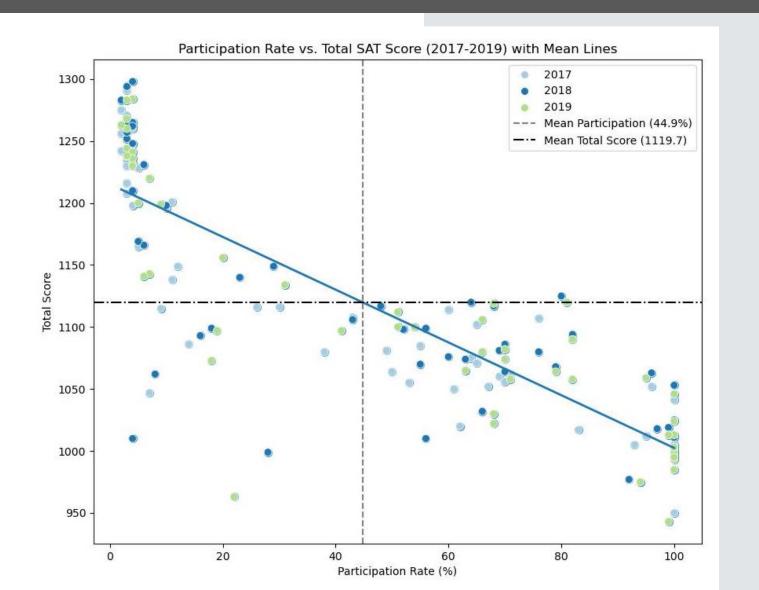


SAT scores (total)

Answer

Negative Value

Participation



### Negative value

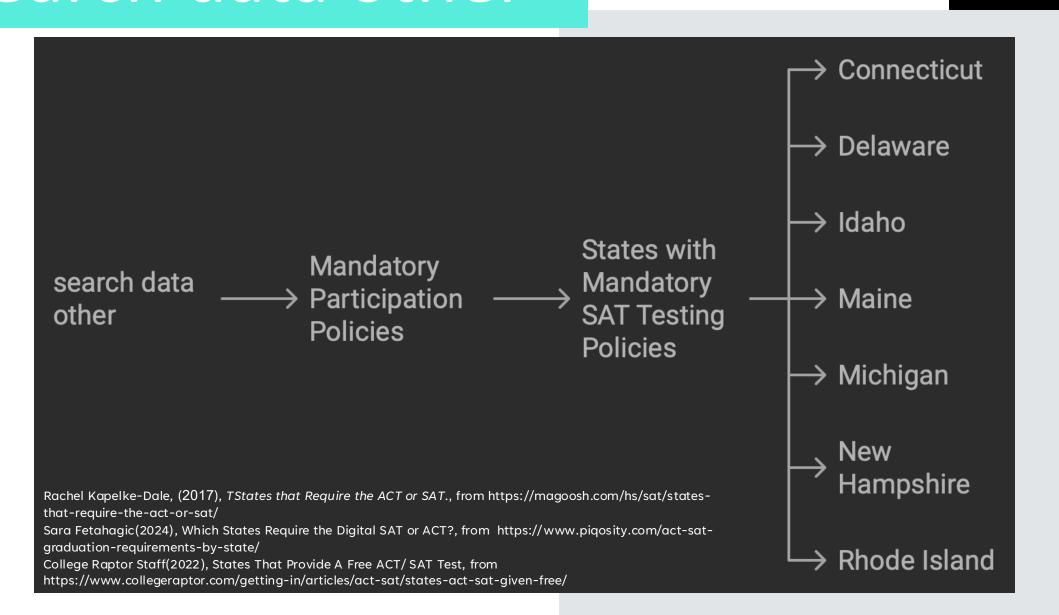
Unable to provide an answer Ex. High SAT scores (total), low participation, and Low SAT scores (total), high participation

#### Many Factor EX.

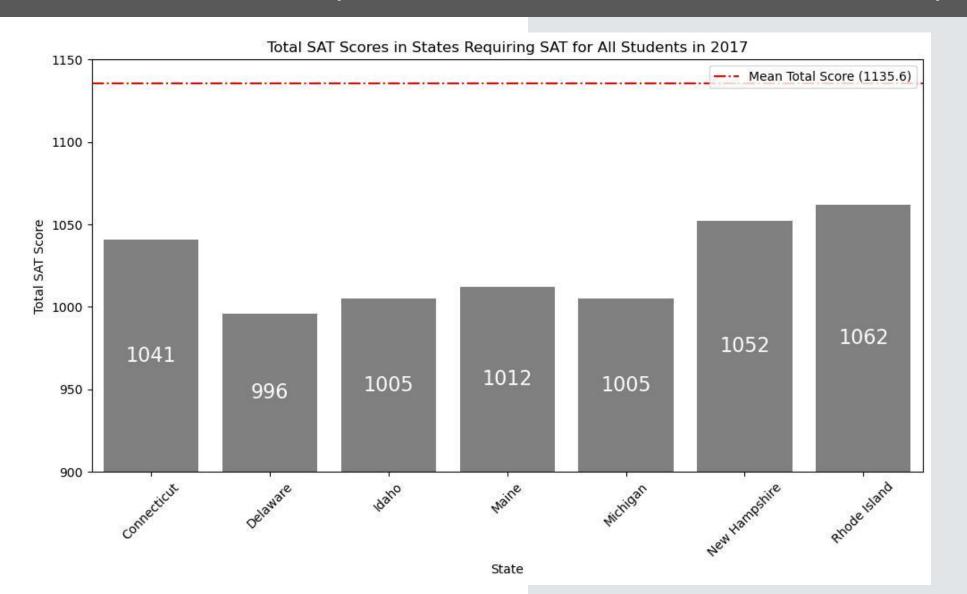
- 1. Selective Test-Taking Behavior
- 2. Mandatory Participation Policies
- 3. Demographic and Socioeconomic Factors
- 4. Educational Resources and Preparation

search data other

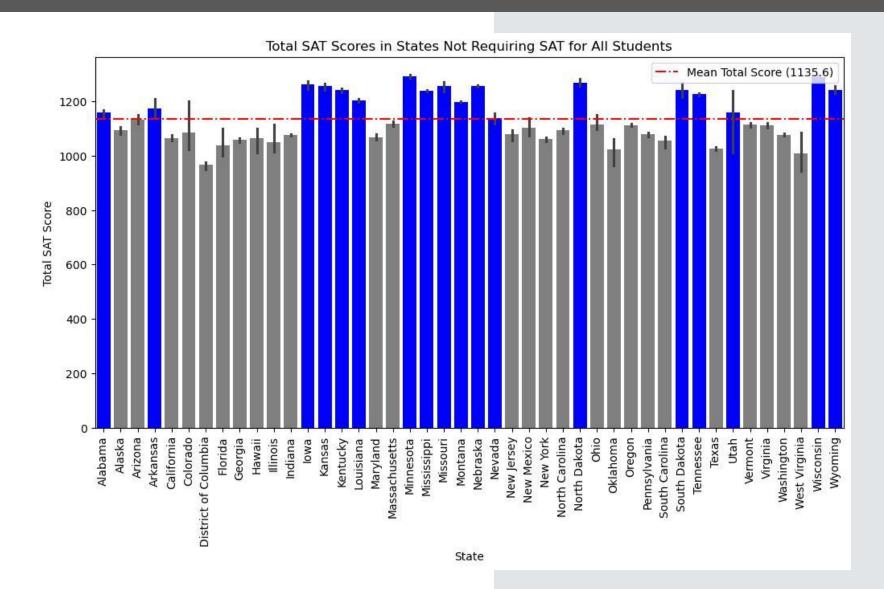
### search data other



### Among the 51 states in the USA, does the requirement for all students to take the SAT affect the scores compared to states where the test is not required?

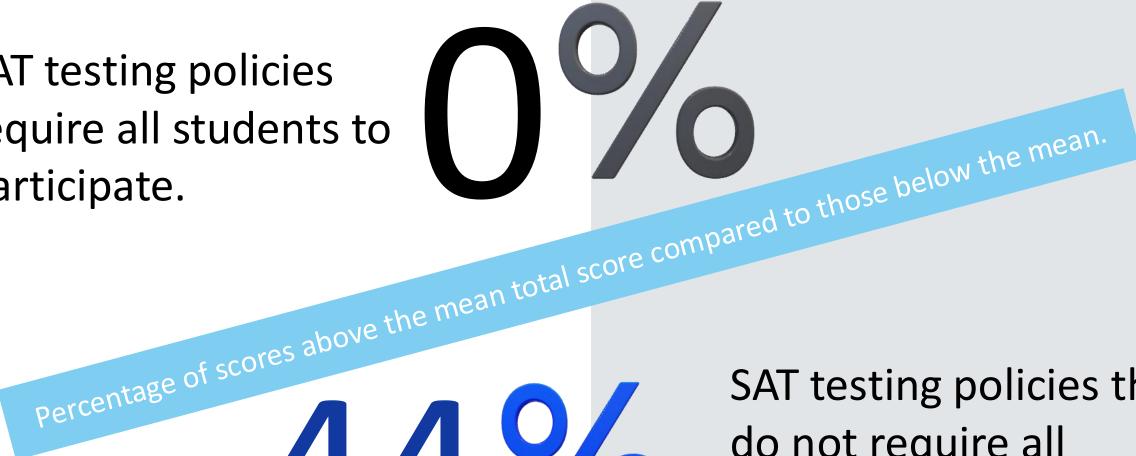


### Among the 51 states in the USA, does the requirement for all students to take the SAT affect the scores compared to states where the test is not required?



Among the 51 states in the USA, does the requirement for all students to take the SAT affect the scores compared to states where the test is not required?

SAT testing policies require all students to participate.



SAT testing policies that do not require all students to participate.

### thank you for your listening

# any questions