

Exploring SAT Scores Nationwide in 2001

DC-DSI 4
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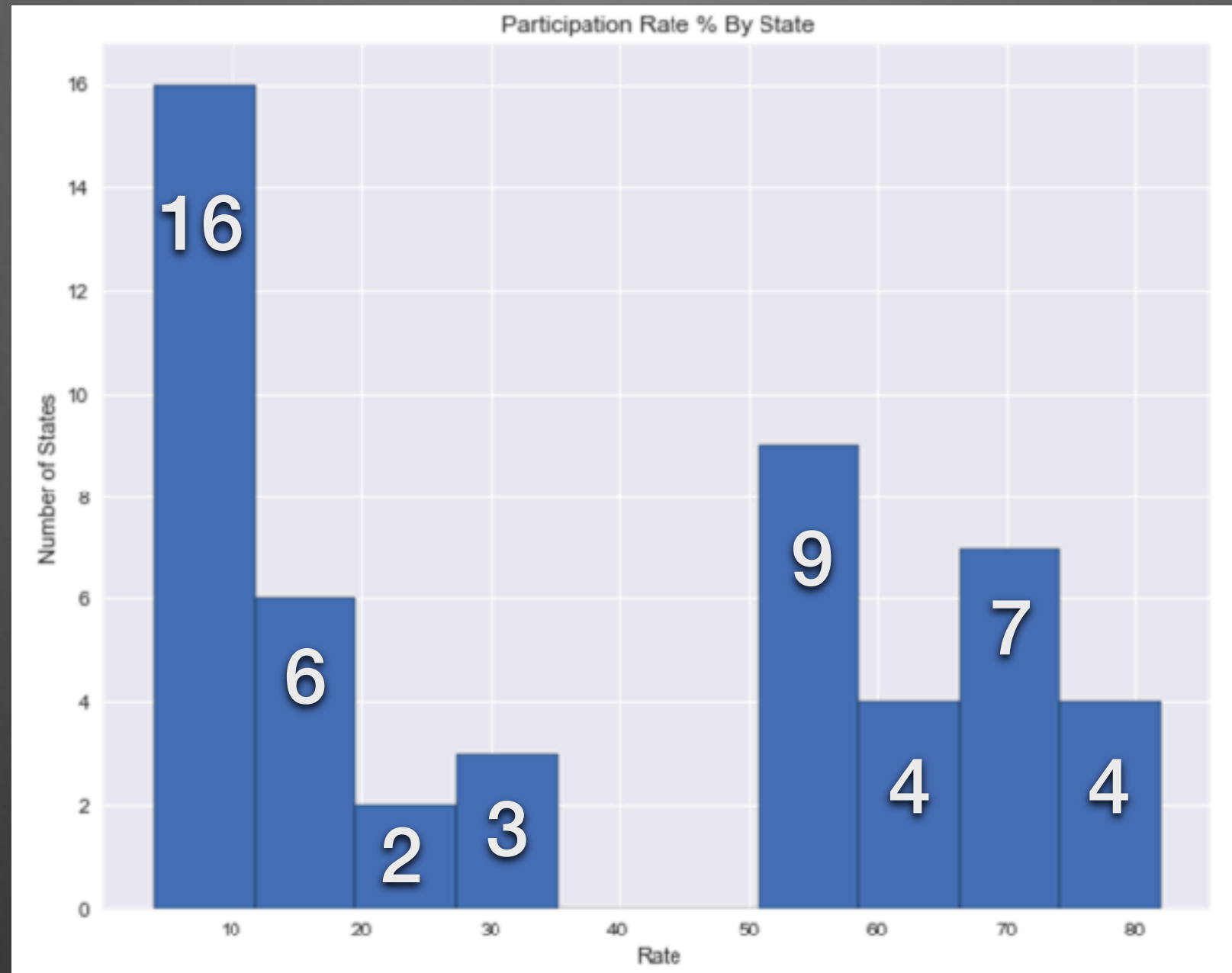
Overview

- Look back at SAT data from 2001, specifically:
 - Average Math score
 - Average Verbal score
 - Participation rate (%) among eligible students

Overview

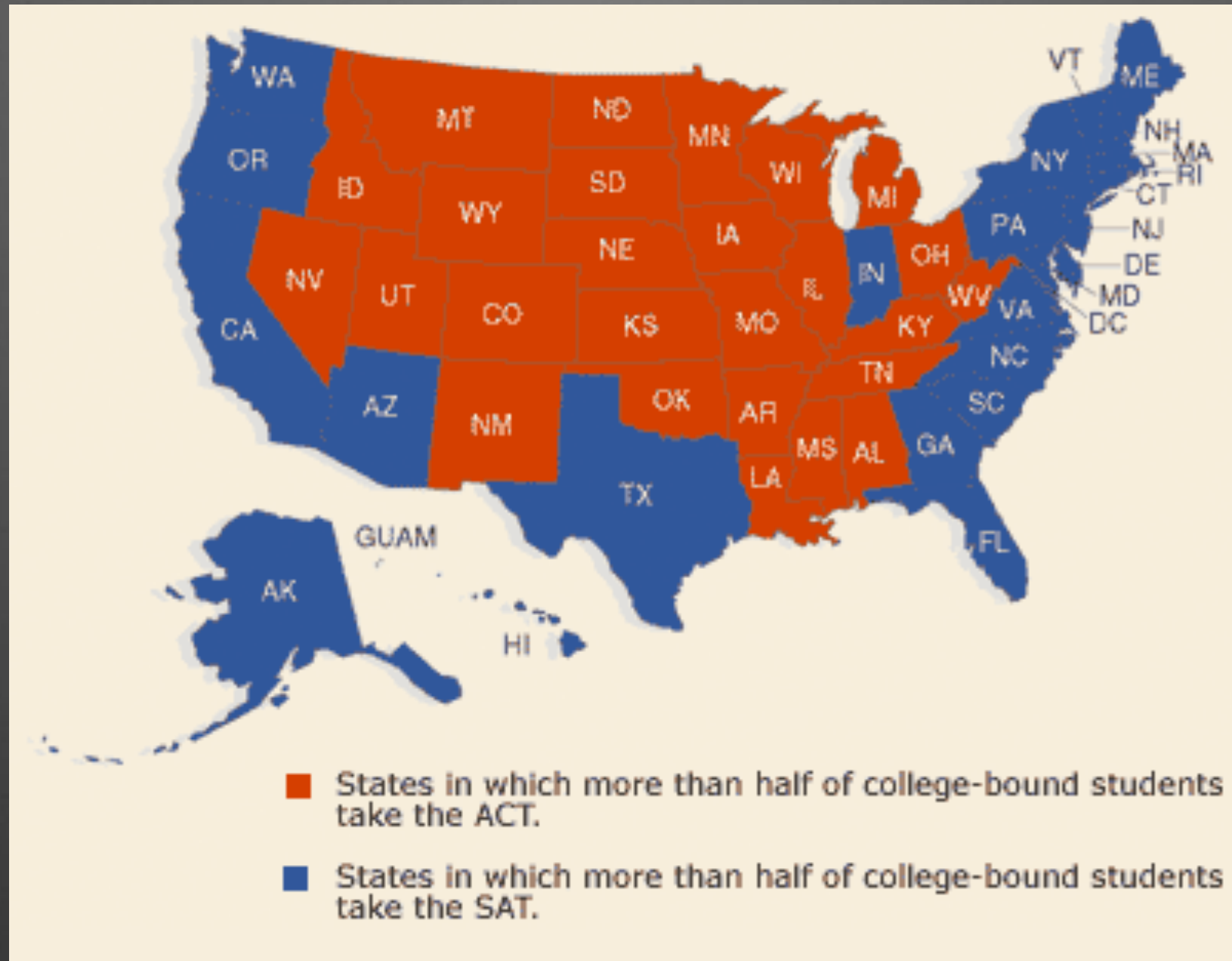
- Data setup:
 - CSV file with all values present, and appropriate (not out of range)
 - Evaluated each group to view distributions

Average Participation Rate



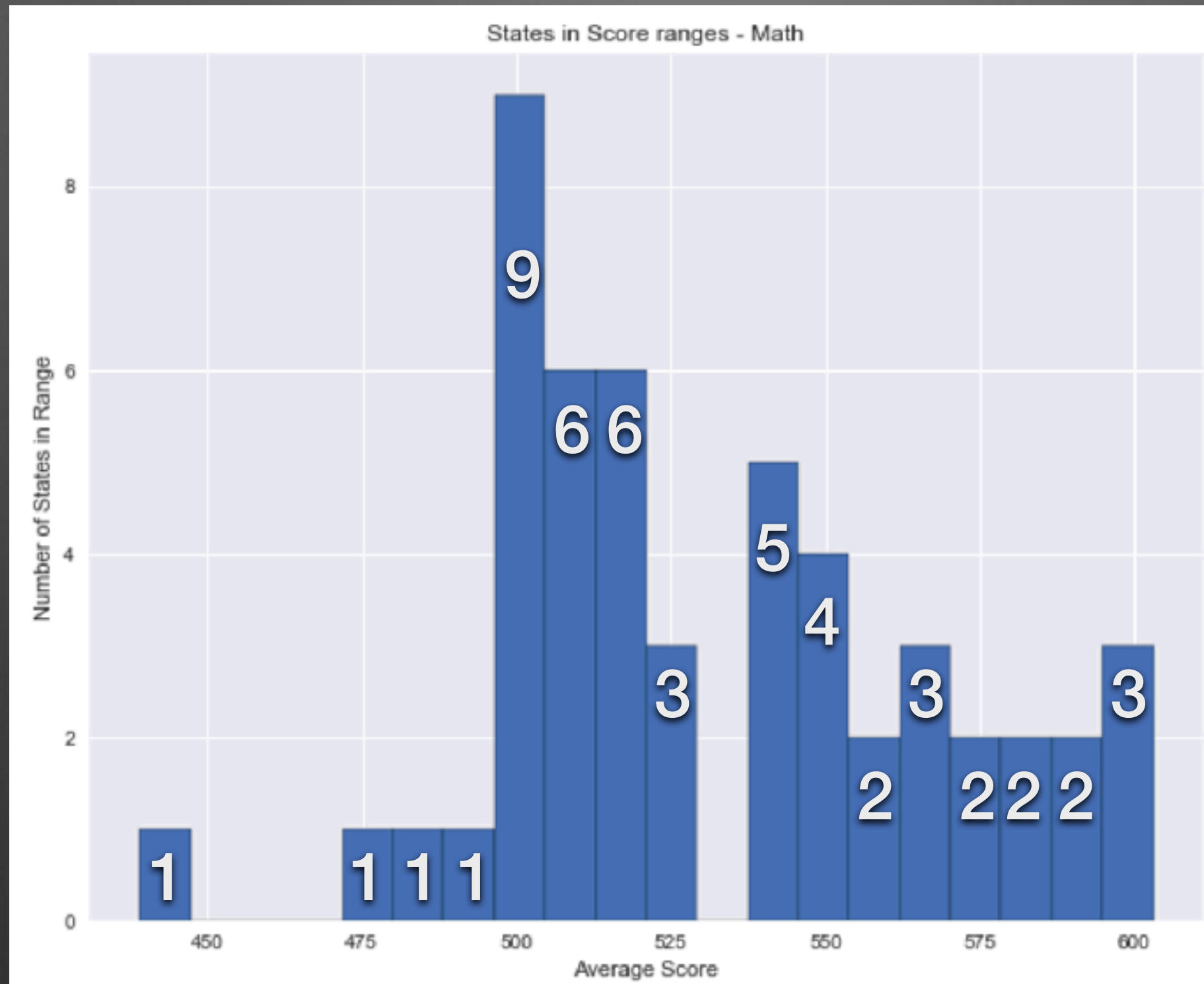
Overall, in roughly half the states more than >50% of students take the SAT

Average Participation Rate



- Sourcing a 2001 article, this reflects the comparison versus the ACT.

Average Math Score



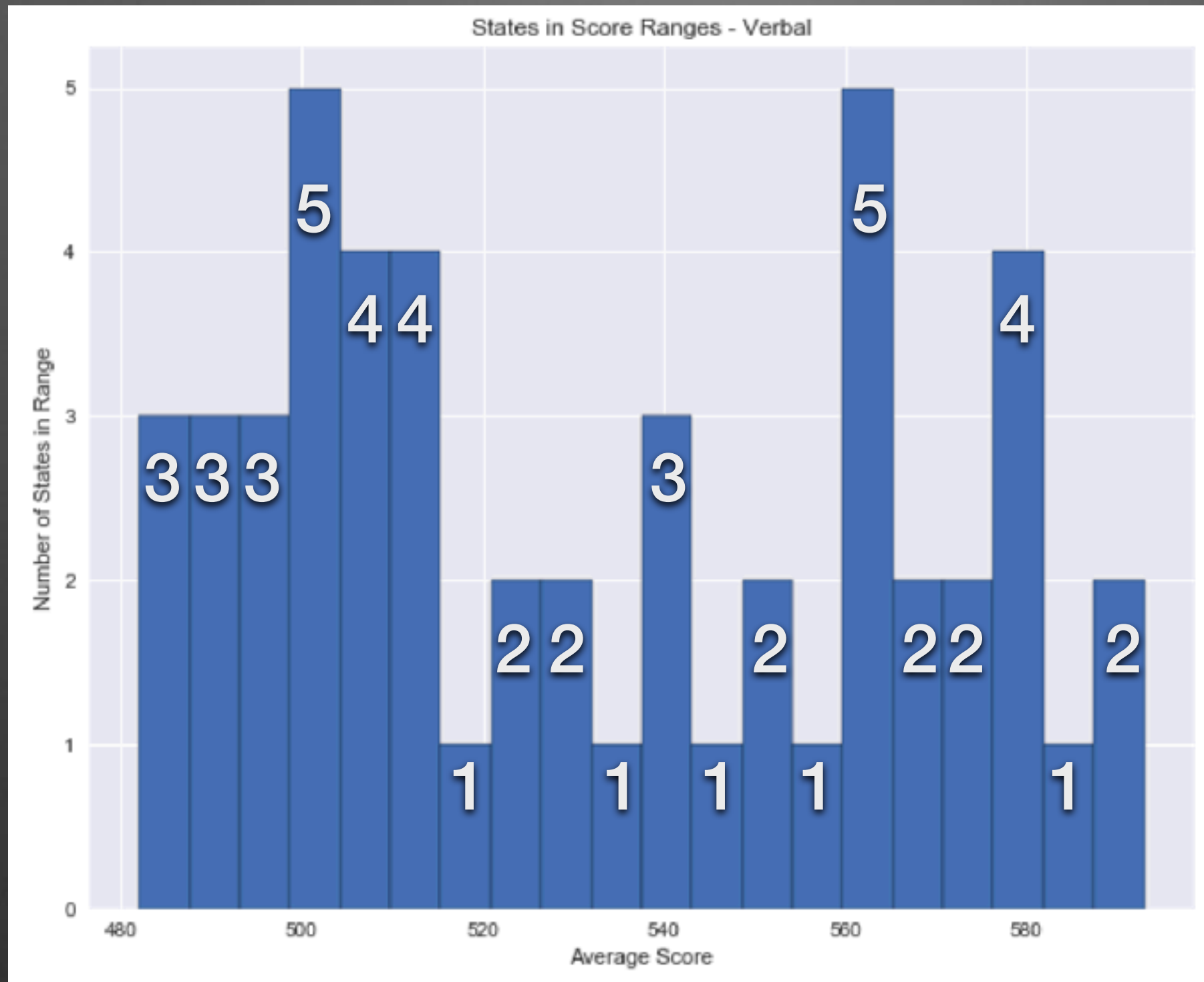
Average
of State
Averages:
531.5

National
Average:
514

- Skewed left, with a few low scoring states

- Lowest State: OH
- Highest States: WI, ND, IA

Average Verbal Score



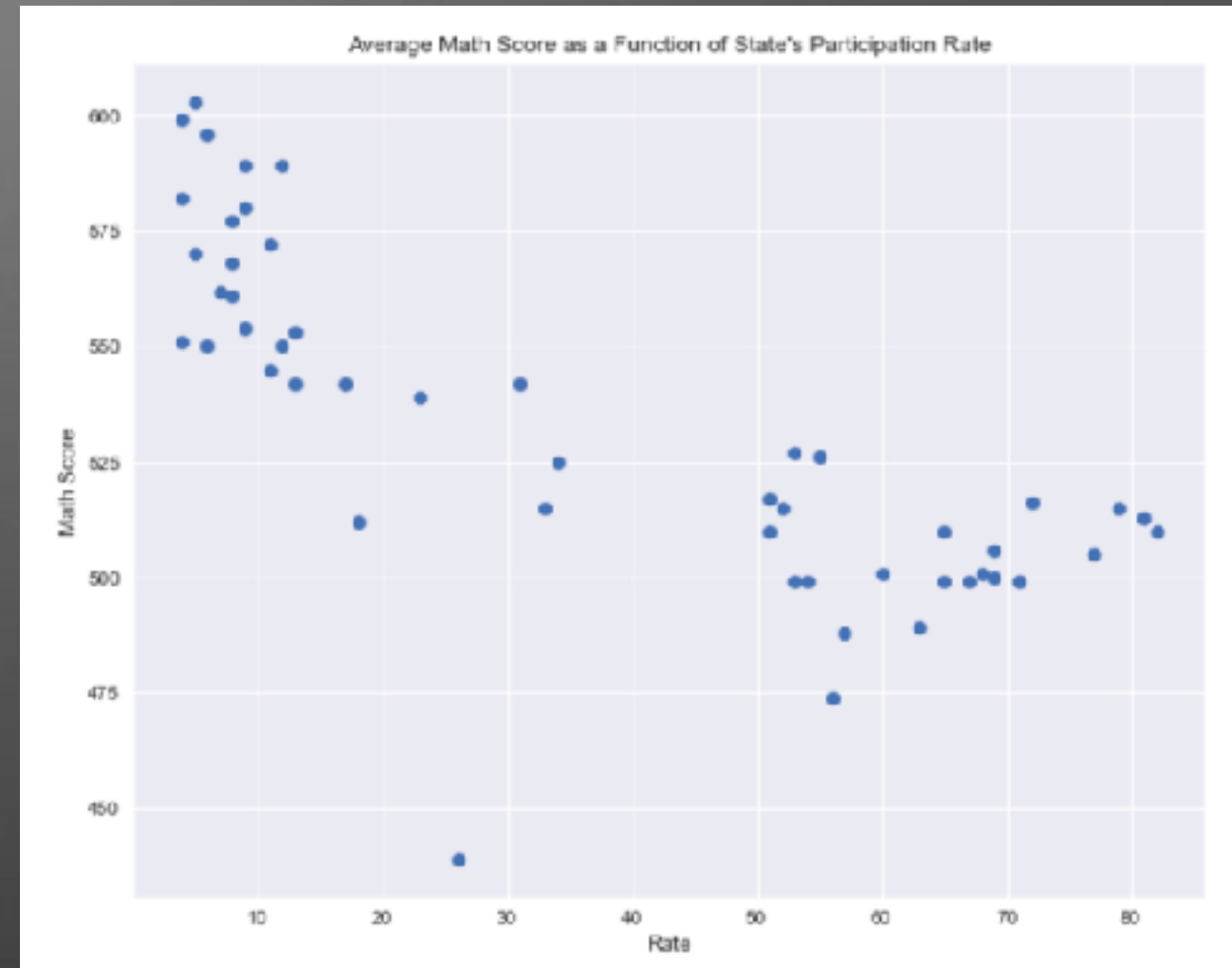
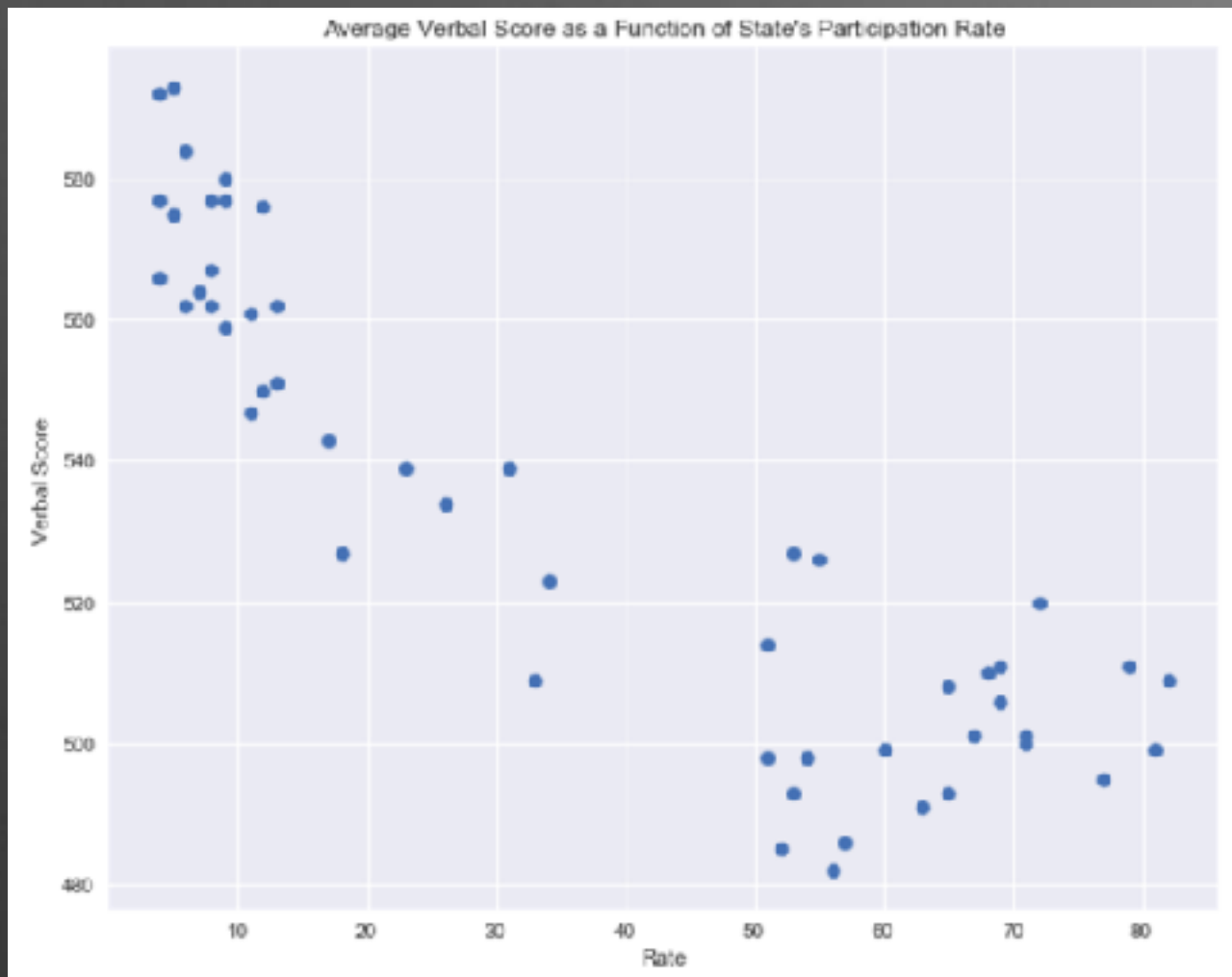
Average
of State
Averages:
532

National
Average:
506

- Skewed left, with a few low scoring states

- Lowest State: "DC", HI, SC
- Highest States: ND, IA

Linking Participation Rate and Test Sections



- Overall, lower participation rates correlate with higher scores

Takeaways

- Scores seem to show bimodal distribution
- High scoring states tend to have low participation rates
- Possible connection with IA

Future Directions

- Evaluate acceptance rates of schools in states that favor the SAT
- Explore in context of out-of-state applicants from low-participation-rate SAT states
- Similar analysis of ACT scores