

PROJECT 1

Underachieving States participating in the SAT & ACT

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In the United States of America, our High School students would complete their studies and decide if they would want to enter college.

There are a few ways colleges accept students via academics:

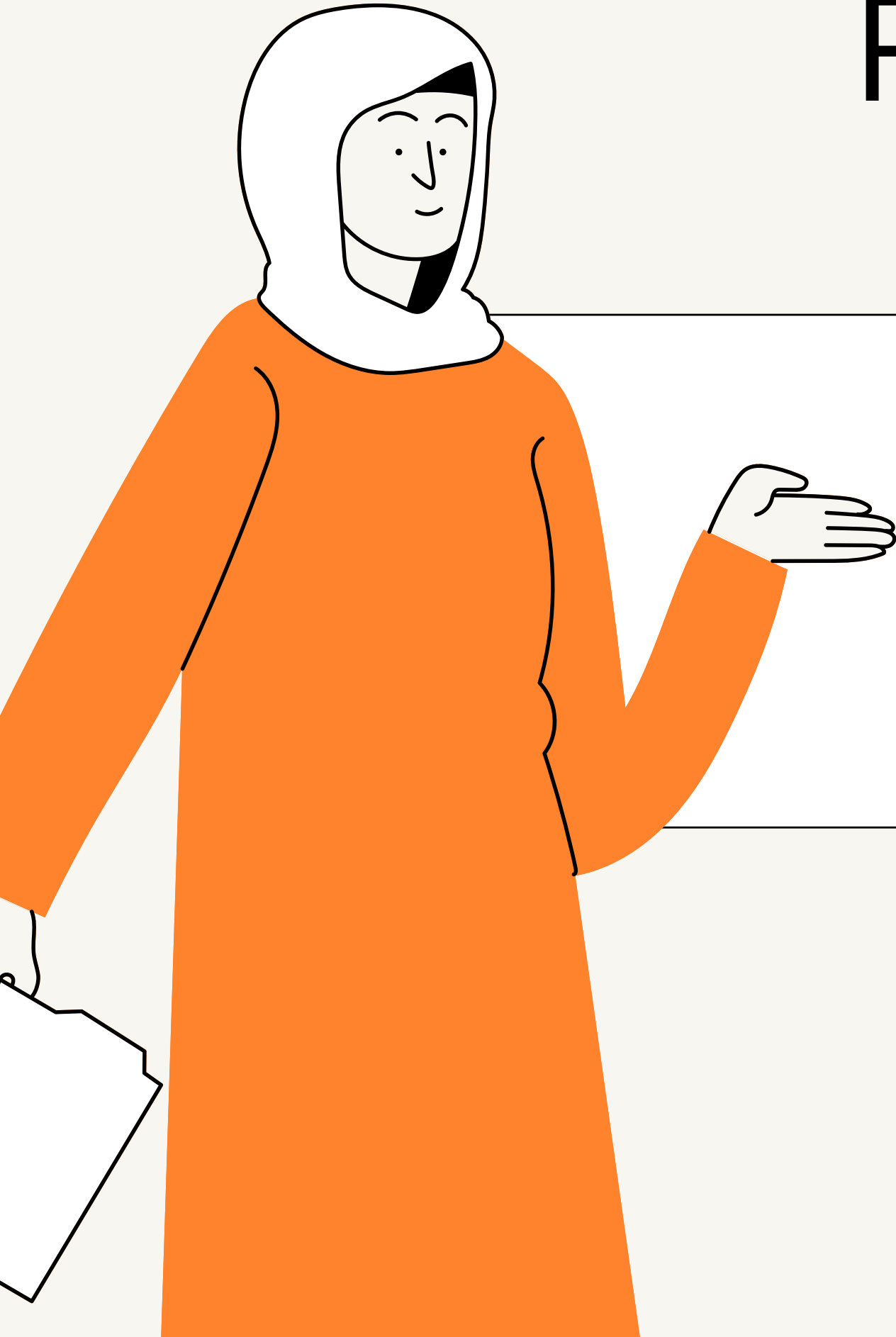
- School grade point average (GPA)
- American College Test (ACT)
- SAT (previously Scholastic Aptitude Test)

Do note that the 2 tests mentioned are **NOT** mandatory.



Background

Problem Statement



This project seeks to identify the underachieving states that have low participation rates and low mean scores in order to focus more attention to these states that require more help.

Identifying Trends

- Low participation rates = Above average scores
- High participation rates = Below average scores

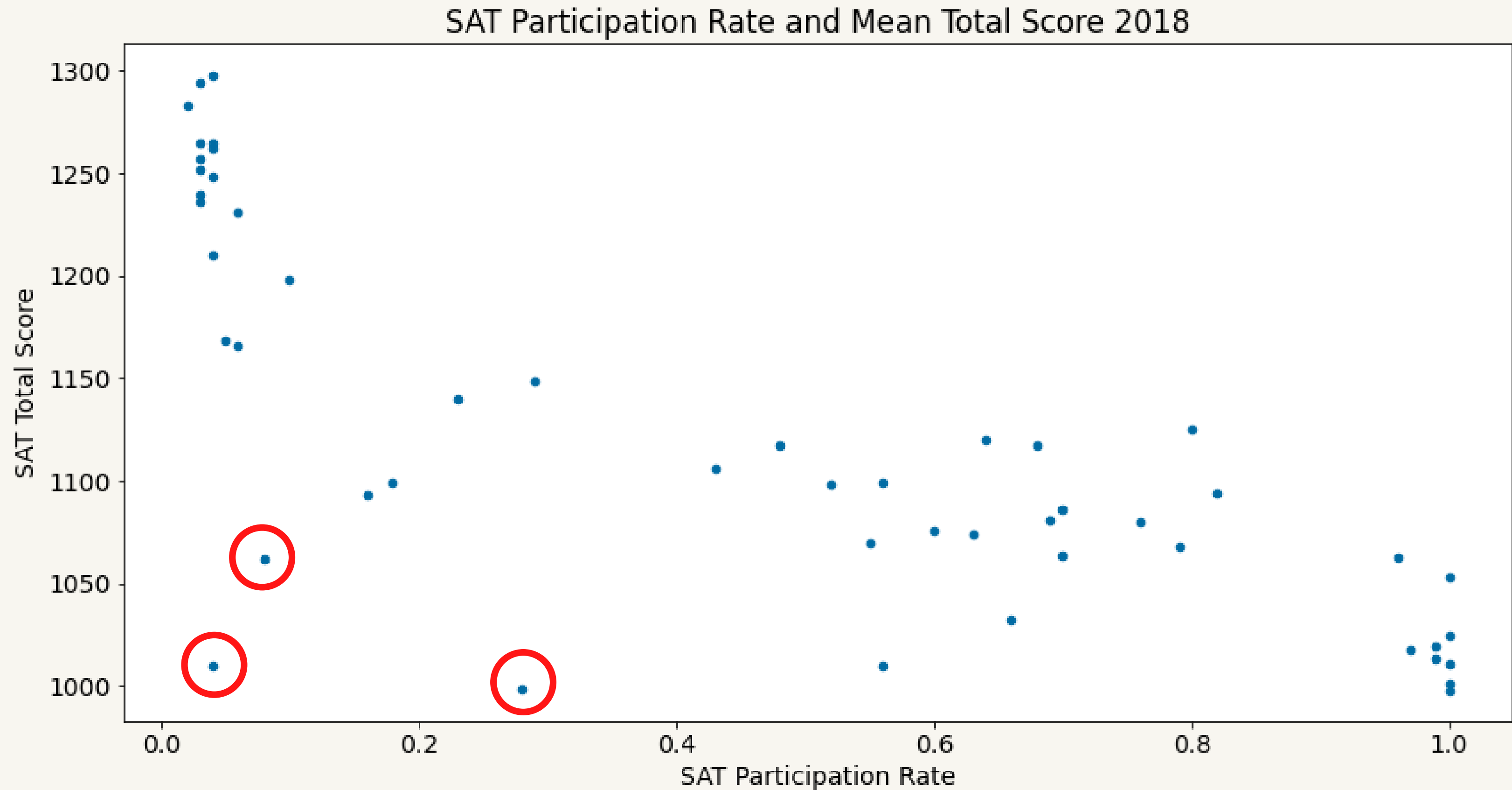
Low Participation Rates , SAT 2018

	state	participation_sat_18	total_sat_18
33	North Dakota	0.02	1283
49	Wyoming	0.03	1257
40	South Dakota	0.03	1240
26	Nebraska	0.03	1252
48	Wisconsin	0.03	1294

High Participation Rates , SAT 2018

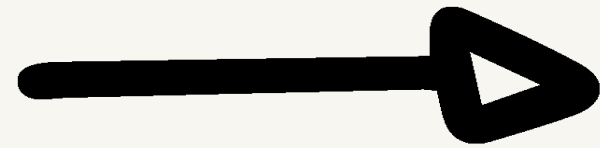
	state	participation_sat_18	total_sat_18
5	Colorado	1.00	1025
6	Connecticut	1.00	1053
7	Delaware	1.00	998
21	Michigan	1.00	1011
11	Idaho	1.00	1001

Finding the underachievers



Who are these underachievers?

- Alaska
- Oregon
- Texas

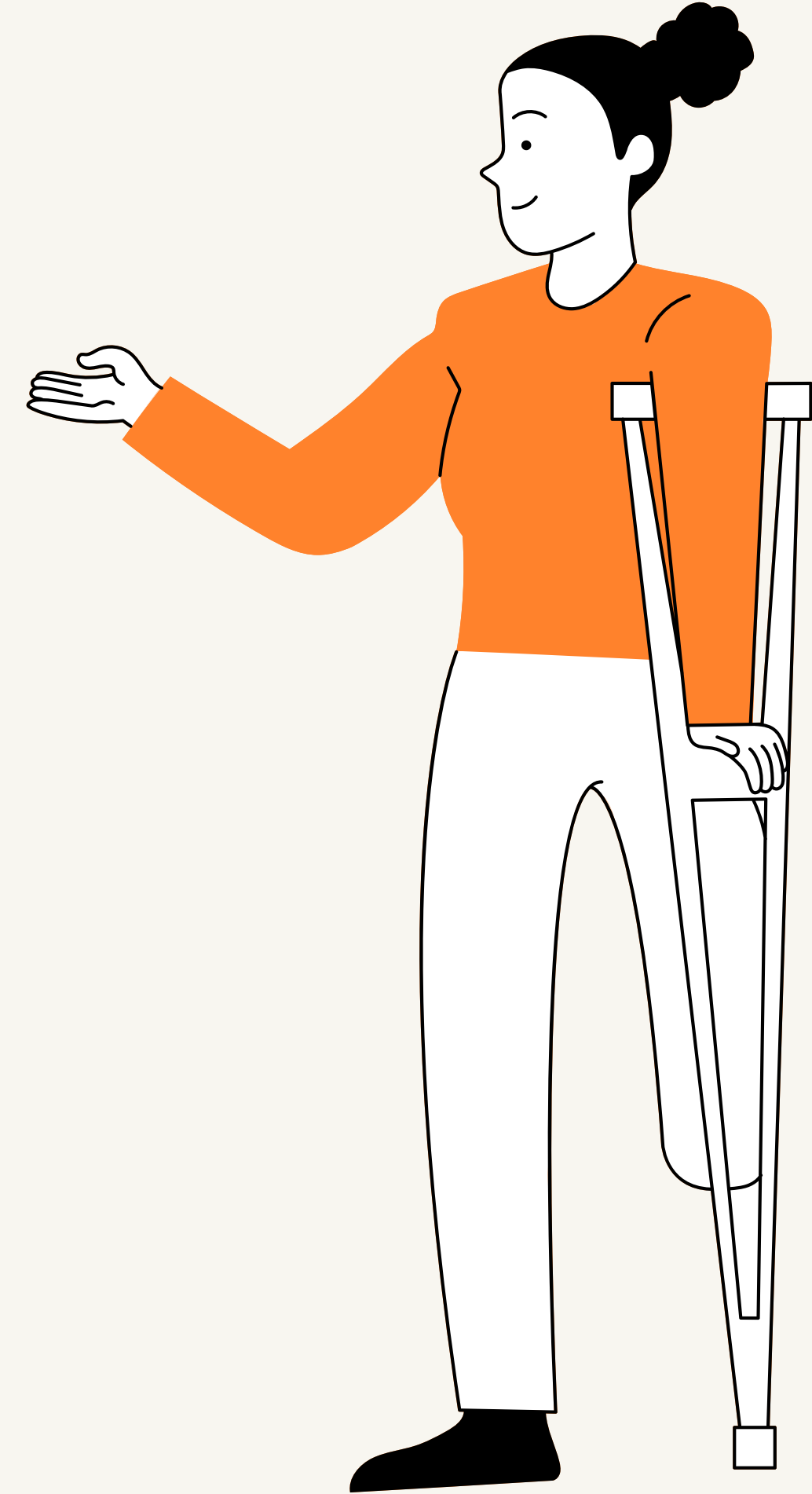


States that do **NOT**
require ACT & SAT

- Ohio
- Oklahoma



States that require
ACT & SAT

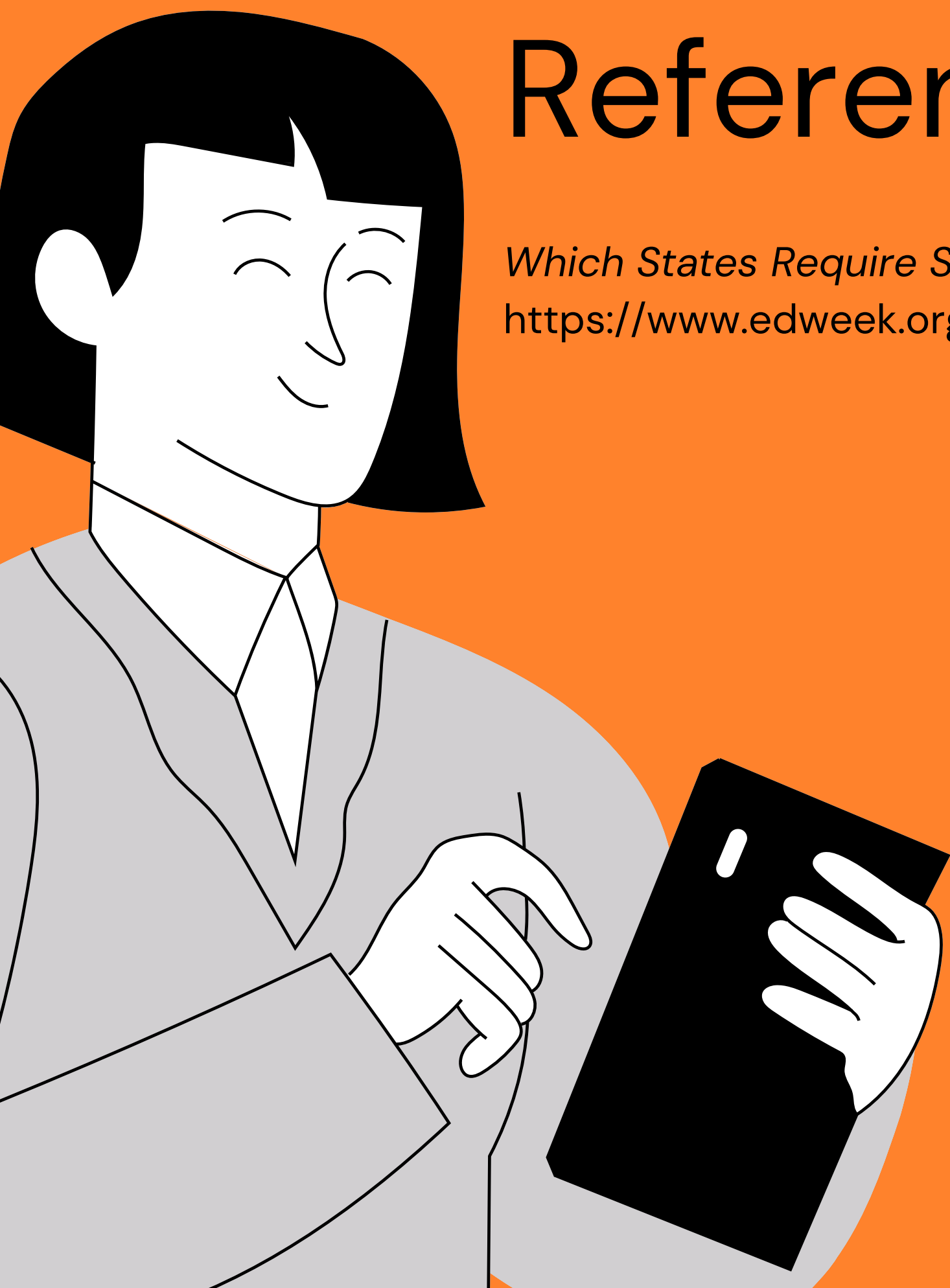


Conclusion

- Focus on Ohio & Oklahoma
- Relatively lower median household income
- College is expensive

Recommendations

- Encourage students to take the SAT & ACT in these states
- Produce more scholarships to motivate students
- Review and improve the state's education program



References

Which States Require Students to Take the SAT or ACT? (2017). EducationWeek.

<https://www.edweek.org/teaching-learning/which-states-require-students-to-take-the-sat-or-act>