



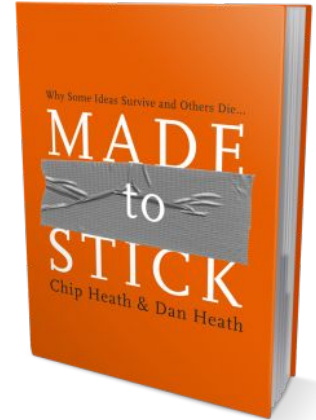
ACT and SAT Analysis

By Sapna Srinivas



**Remember that each ACT section,
and the overall composite score,
are scored between 1 and 36.**

**If you get a composite score of 21
or higher, you will beat half the
other high school students in the
country.**



**Which State has Composite Score
higher than 21 with least
participation rate.**



After Analysing, we found the State which meets the two criteria is :

“Maine”

```
| final[((final['participation_act_2017'] < 10) & (final['composite_act_2017'] > 21))]
```

Unnamed: 0 participation_act_2017 english_act_2017 math_act_2017 reading_act_2017 science_act_2017 composite_act_2017

state							
Maine	19	8	24.2	24.0	24.8	23.7	24.3

1 rows × 21 columns

```
In [5]: ► final.loc['Maine',:]
```

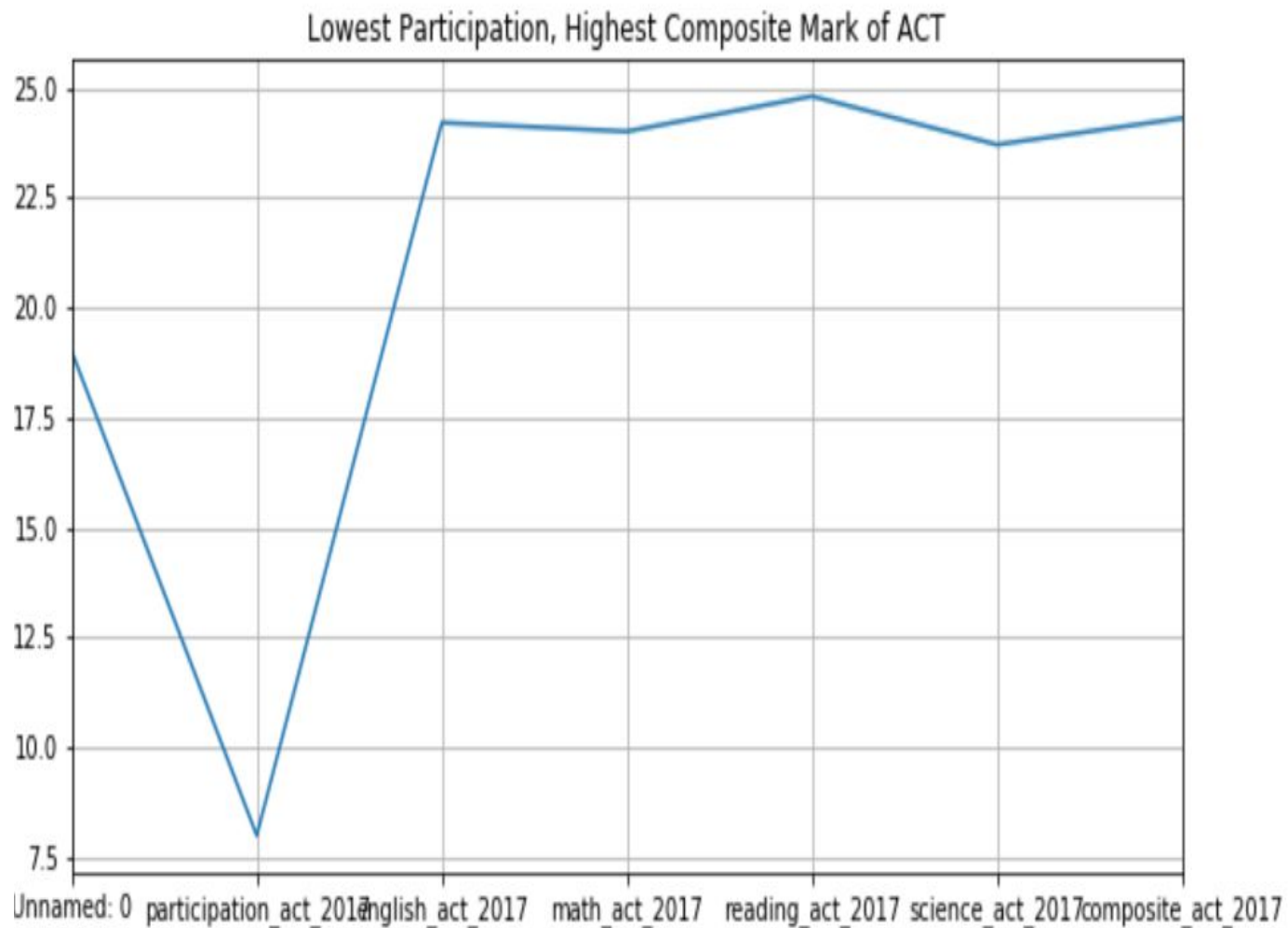
```
Out[5]: Unnamed: 0      19.0
participation_act_2017      8.0
english_act_2017           24.2
math_act_2017              24.0
reading_act_2017           24.8
science_act_2017           23.7
composite_act_2017          24.3
participation_sat_2017      95.0
Evidence-Based Reading and Writing_x  513.0
math_sat_2017              499.0
total_sat_2017            1012.0
participation_act_2018       7.0
composite_act_2018          24.0
english_act_2018           23.8
math_act_2018              23.6
reading_act-2018           24.7
science_act_2018           23.4
participation_sat_2018      99.0
Evidence-Based Reading and Writing_y  512.0
math_sat_2018              501.0
total_sat_2018            1013.0
Name: Maine, dtype: float64
```



Tip

Readings of
Maine state
shows us
participation
rate for act
exam is least
while the result
of composite is
more than 21 .

The plot in the graph speaks more than words



What people are saying

Nationally, the average composite ACT score is 21-but many states average are higher or lower than this

In general, states with lower participation rates tend to have higher average Composite ACT score

Many of Maine's top colleges are test-optional and don't require standardized test scores

Thank you!

You can refer more about other states and
their hall of fame

<https://blog.prepscholar.com/act-scores-by-state-averages-highs-and-lows>

