

# Analysis to Improve SAT<sup>®</sup> Participation Rates

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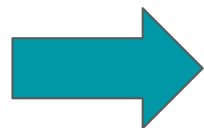


Source for image:

[https://www.google.com/search?q=sat+picture&source=lnms&tbm=isch&sa=X&ved=0ahUKEwj4zeTFxPHgAhWwna0KHdC5D9YQ\\_AUIDigB&biw=1200&bih=537#imgsrc=rMvwPmFb\\_wXDqM:](https://www.google.com/search?q=sat+picture&source=lnms&tbm=isch&sa=X&ved=0ahUKEwj4zeTFxPHgAhWwna0KHdC5D9YQ_AUIDigB&biw=1200&bih=537#imgsrc=rMvwPmFb_wXDqM:)

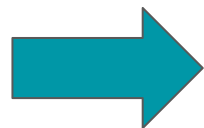
# Problem Statements

New format for the SAT was released in March 2016



Have SAT participation rates improved since then?

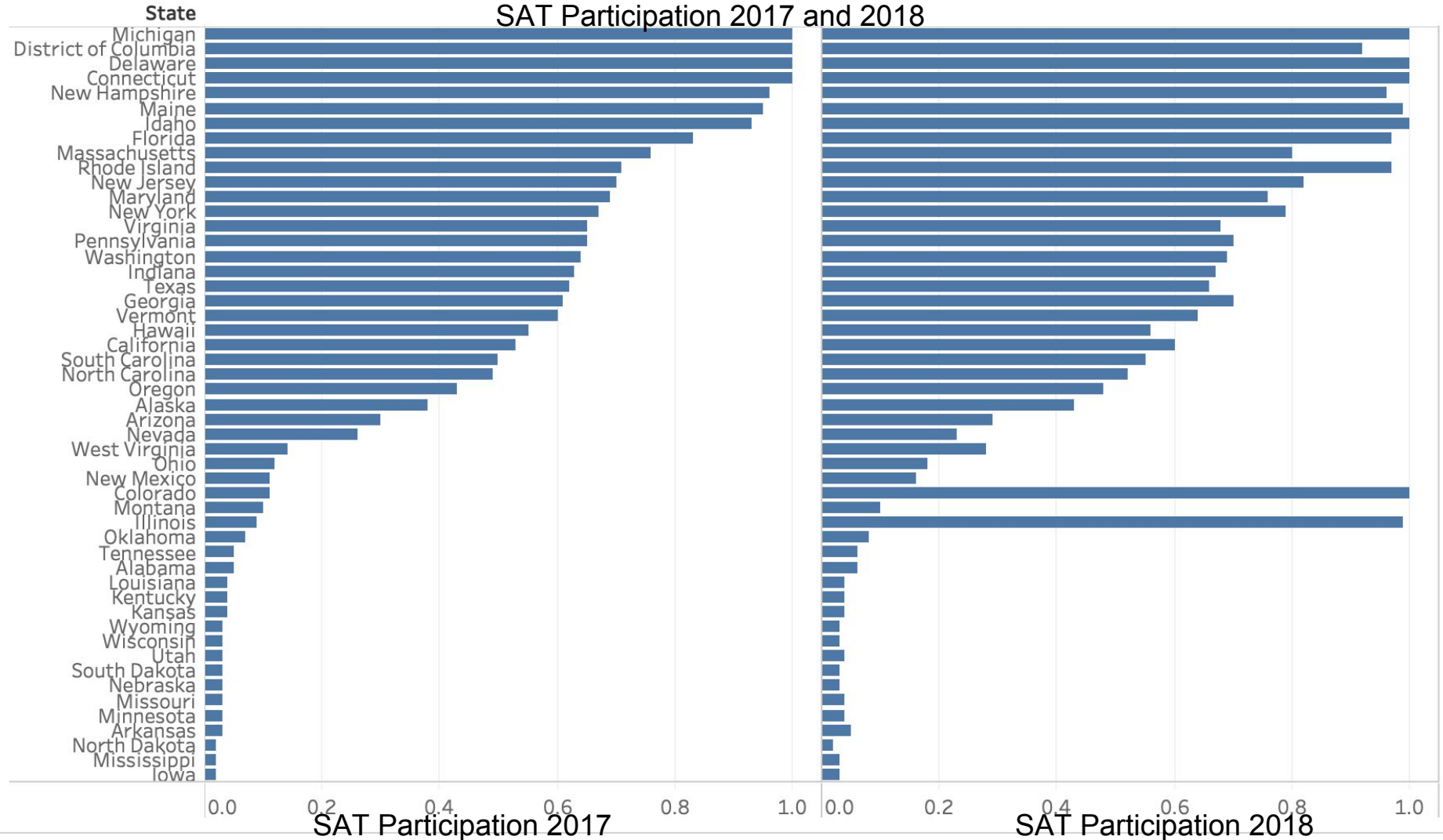
How do SAT and ACT participation rates compare?



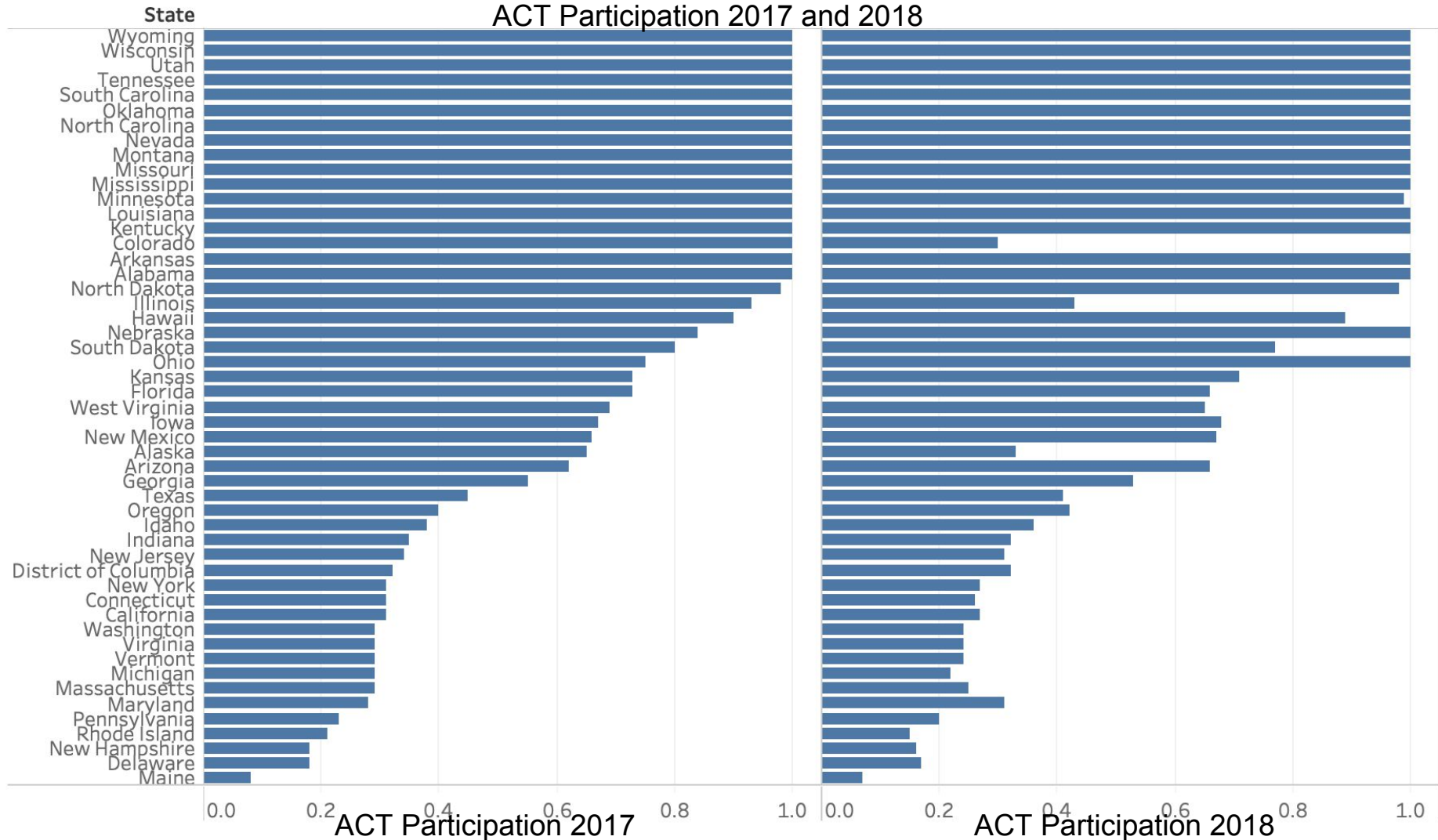
Do people take the SAT more than the ACT?

If not, why?

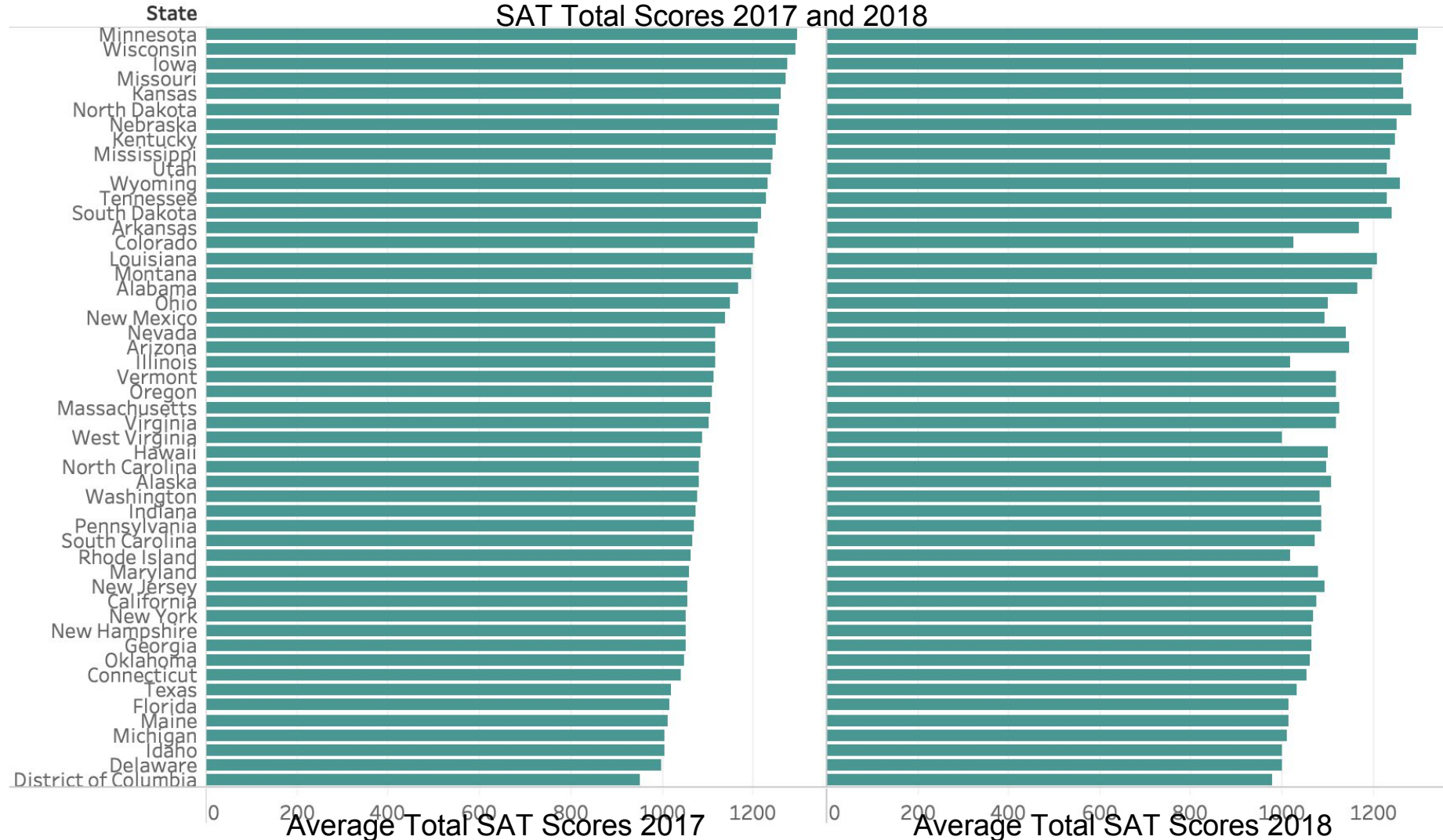
# SAT Participation 2017 and 2018



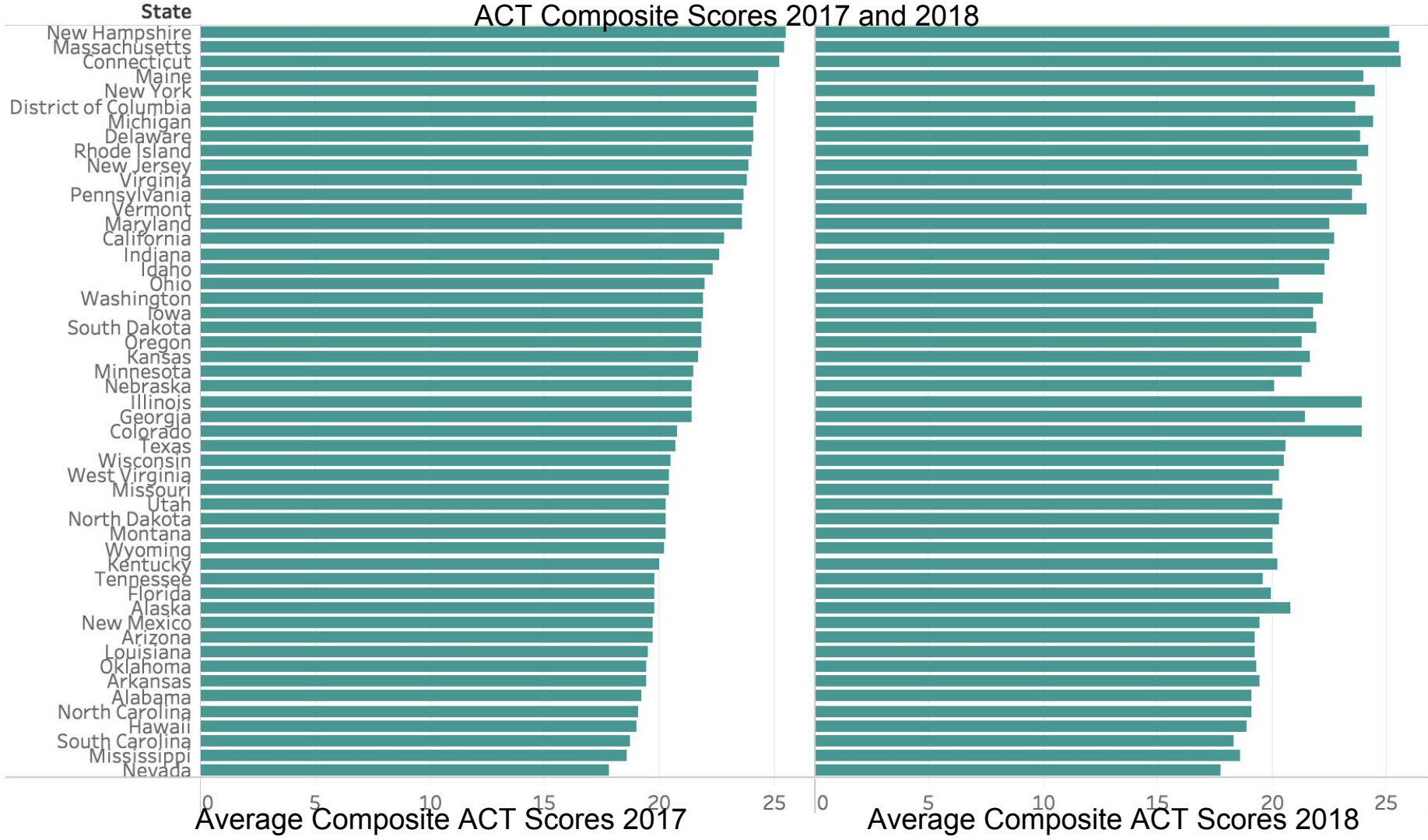
# ACT Participation 2017 and 2018



# SAT Total Scores 2017 and 2018



# ACT Composite Scores 2017 and 2018



# State Participation in the SAT and ACT Each Year

	<b>SAT Average Participation</b>	<b>ACT Average Participation</b>
<b>2017</b>	~40% (stdev: ~35%)	~65% (stdev: ~32%)
<b>2018</b>	~47% (stdev: ~38%)	~62% (stdev: ~34%)

## Average (Mean) Score Consistency

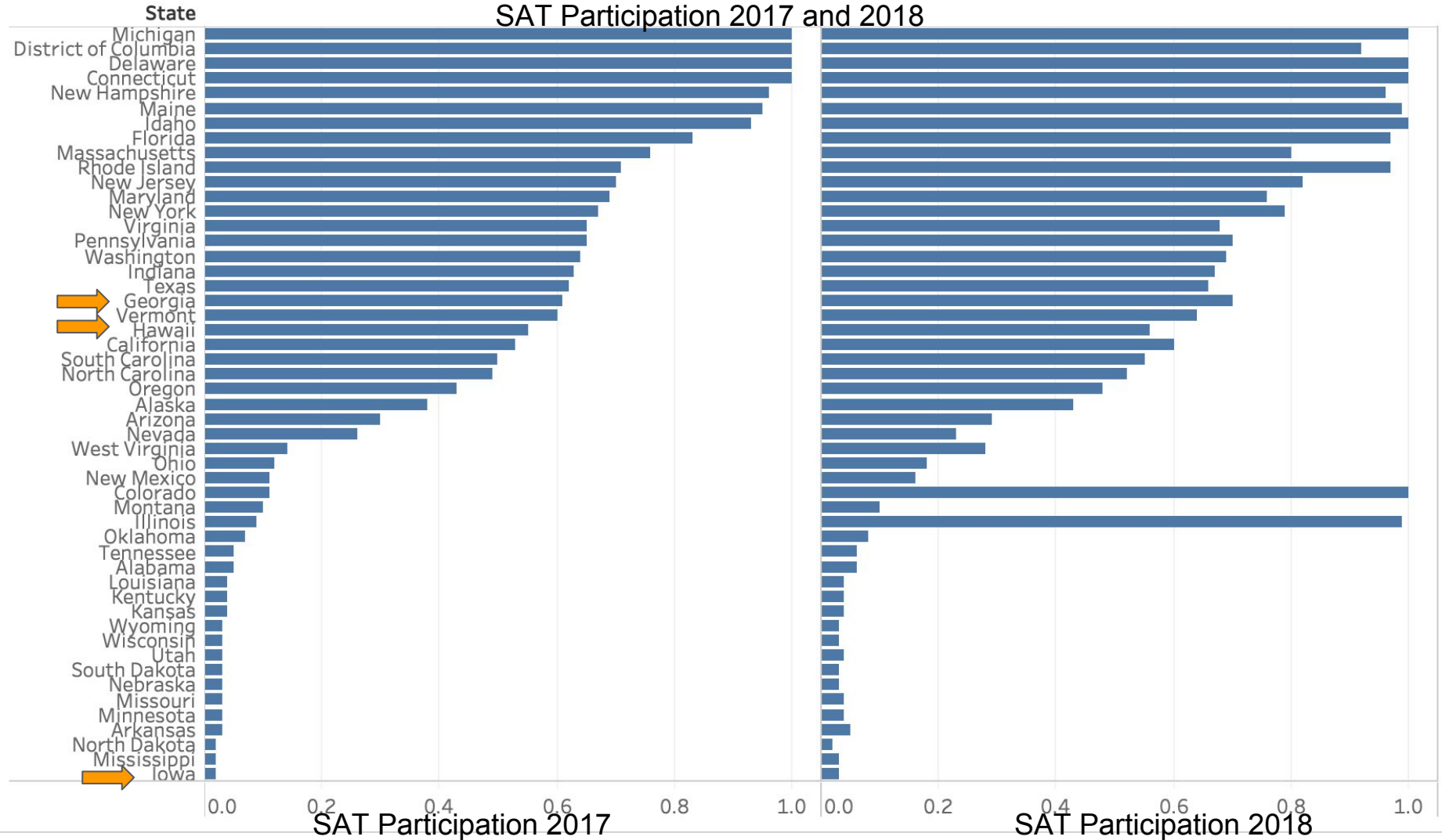
	<b>SAT Average Total Scores</b>	<b>ACT Average Composite Scores</b>
<b>2017</b>	~1126% (stdev: ~92%)	~21.5% (stdev: ~2.0%)
<b>2018</b>	~1125% (stdev: ~94%)	~21.5% (stdev: ~2.1%)



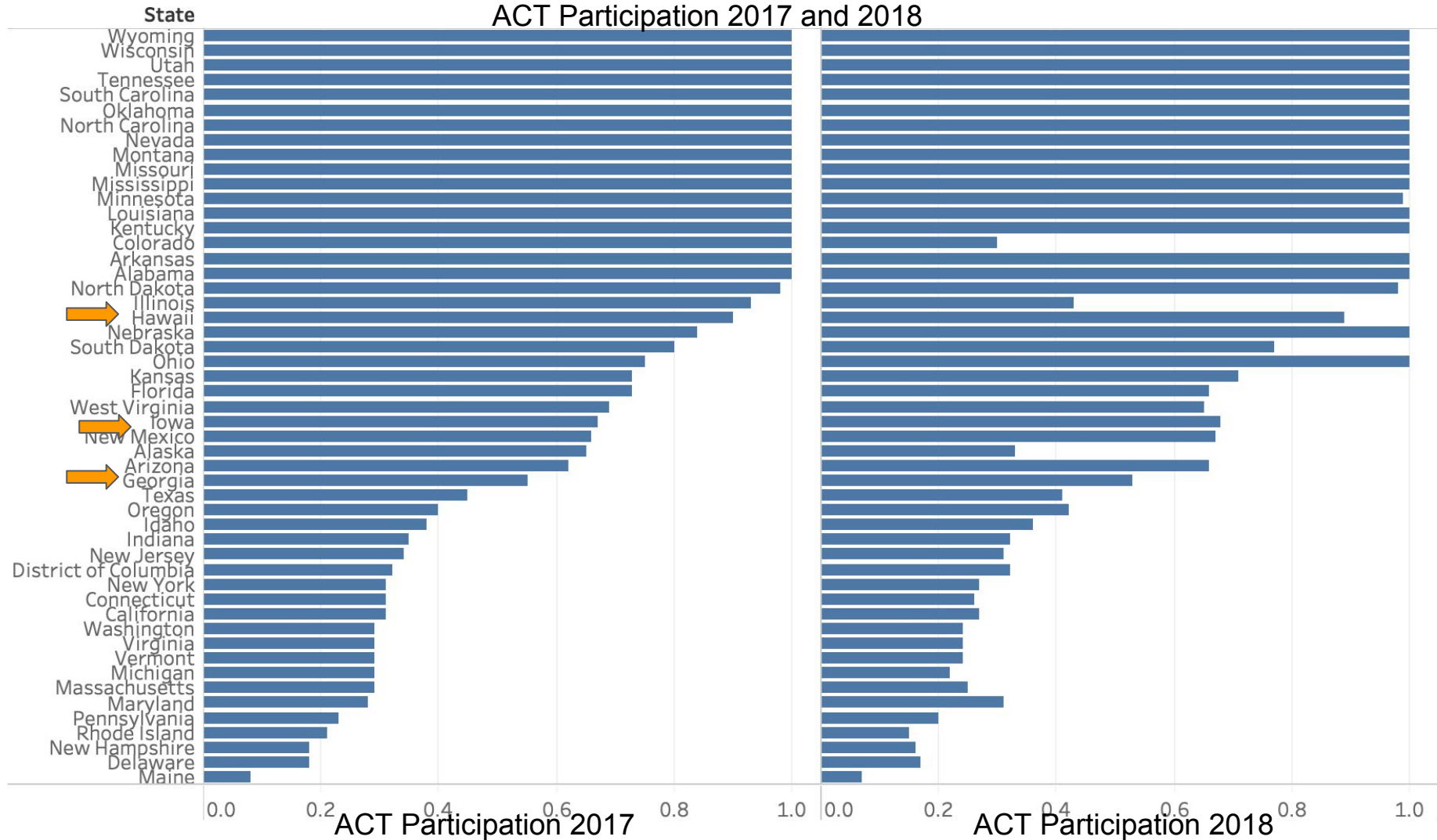
## Test Case: Let's Increase Three State's SAT Participation!

	Participation in SAT	Participation in ACT
<b>Georgia (2017)</b>	61%	55%
<b>Georgia (2018)</b>	70%	53%
<b>Hawaii (2017)</b>	55%	90%
<b>Hawaii (2018)</b>	56%	89%
<b>Iowa (2017)</b>	2%	67%
<b>Iowa (2018)</b>	3%	68%

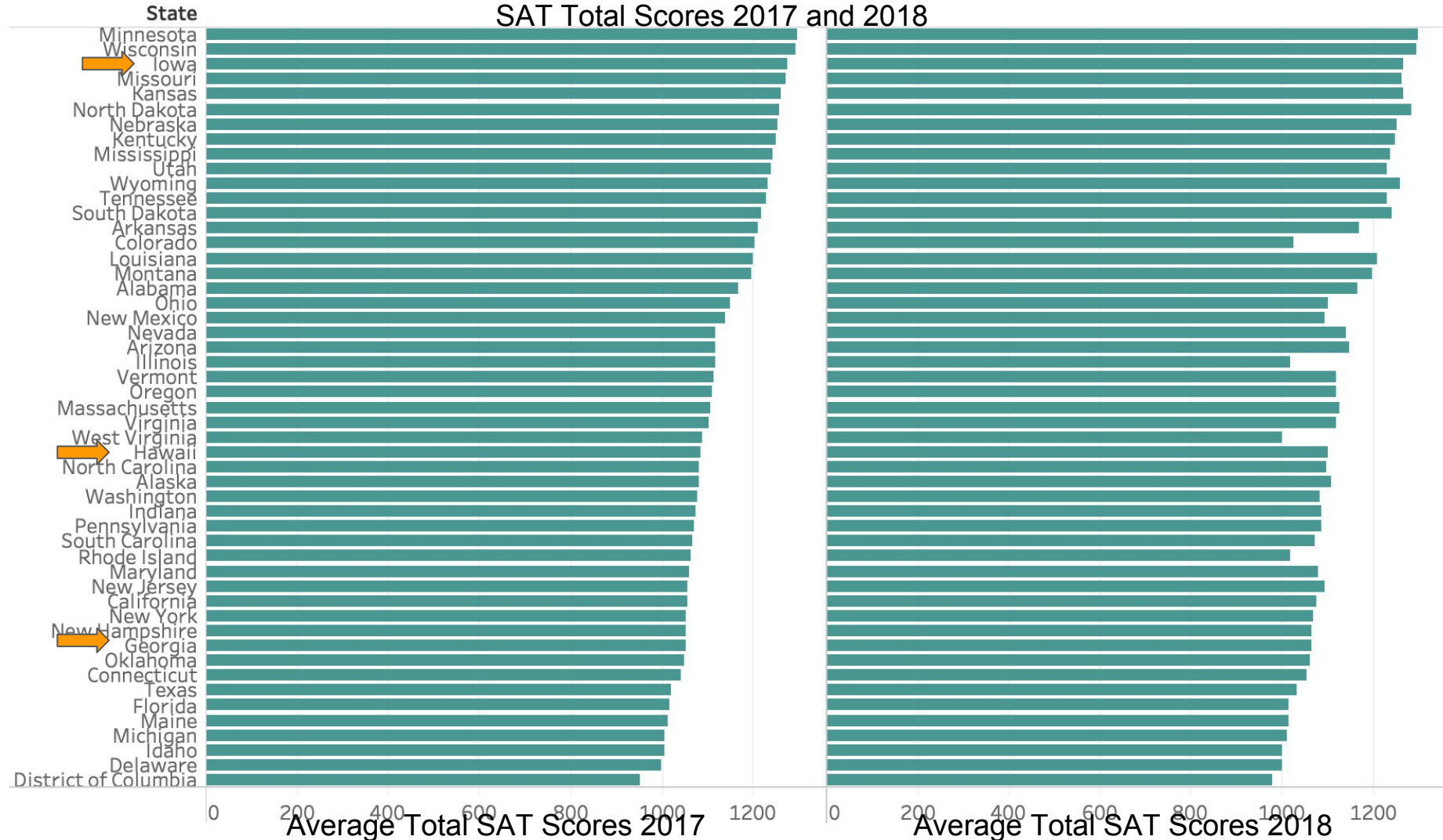
# SAT Participation 2017 and 2018



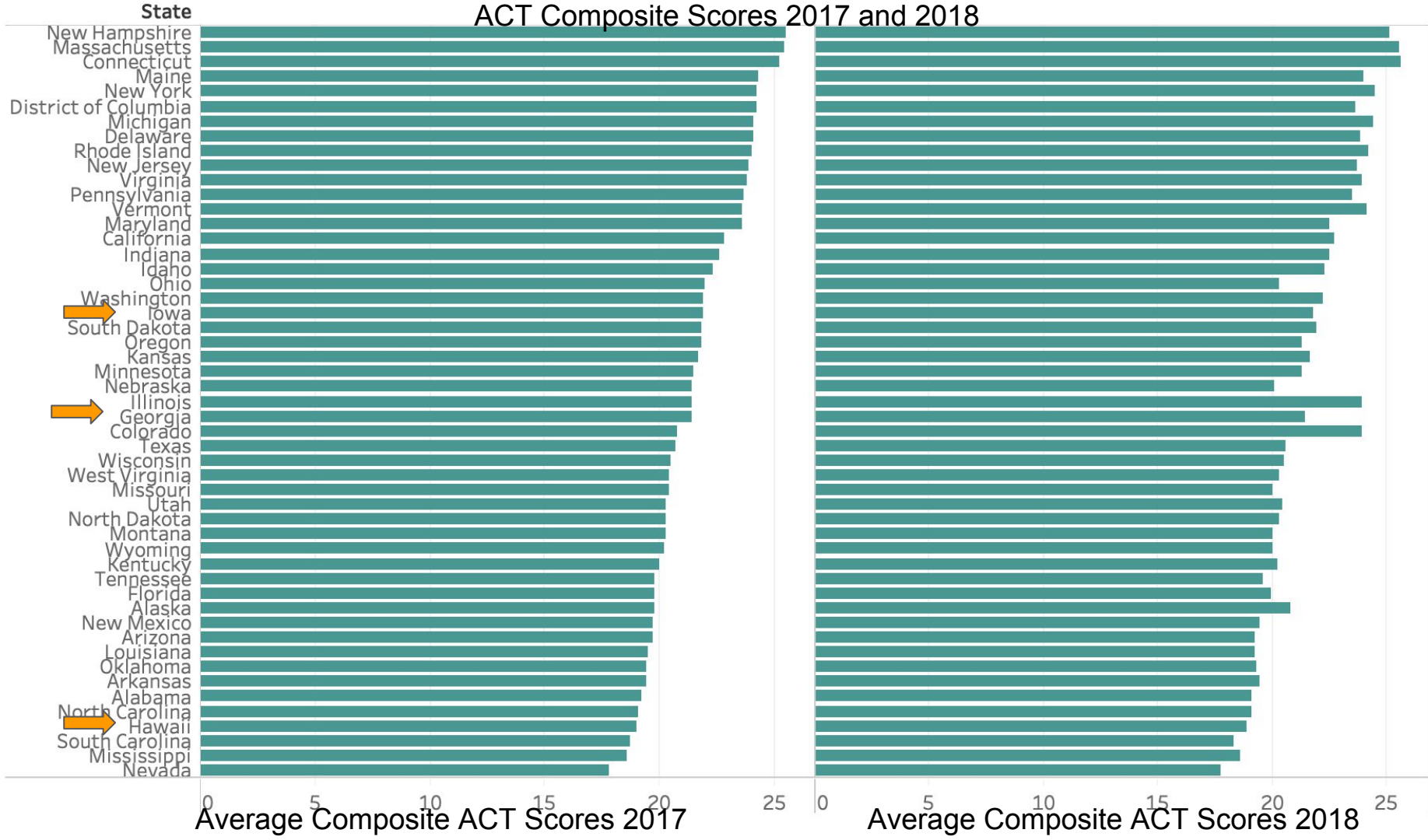
# ACT Participation 2017 and 2018



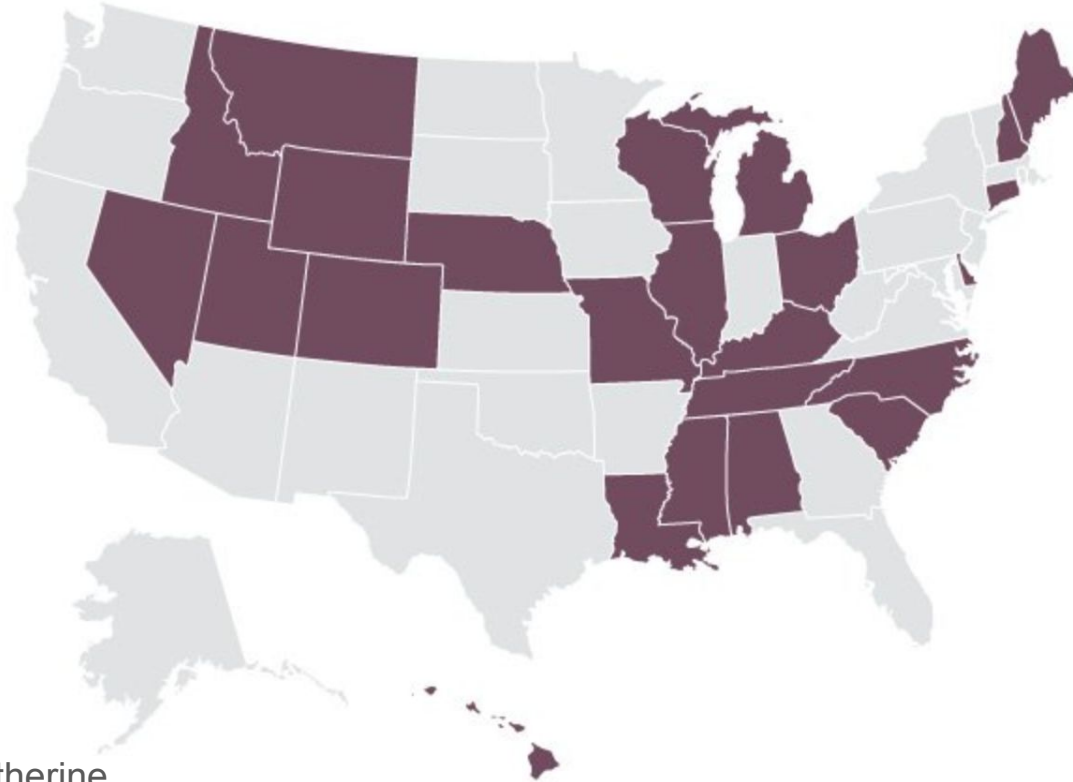
# SAT Total Scores 2017 and 2018



# ACT Composite Scores 2017 and 2018



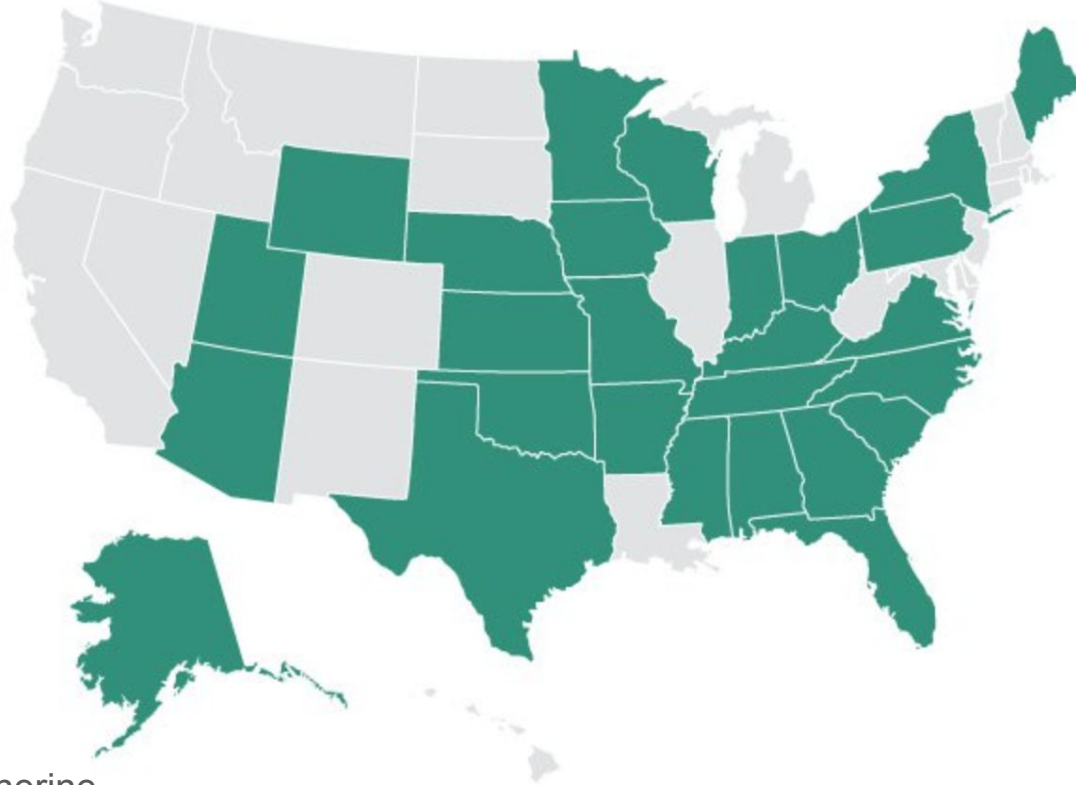
## States that Require ACT or SAT Participation



Source: Gewertz, Catherine

<https://www.edweek.org/ew/section/multimedia/states-require-students-take-sat-or-act.html>

# States that Require Non-Consortium Tests:



Source: Gewertz, Catherine

<https://www.edweek.org/ew/section/multimedia/states-require-students-take-sat-or-act.html>

# Recommendations

- Georgia: Work to convince Georgia to adopt SAT instead of Georgia Milestones test requirement when students are in 11th grade?
- Hawaii: requires ACT - lobby to convince Hawaii to change legislation?
  - Require SAT or ACT like Idaho (and other states) or
  - Require SAT like Colorado (and other states)
- Iowa: Convince Iowa to adopt SAT instead of Iowa Assessments test requirement when students are in 11th grade?



Thank you!

# Sources

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College Board. <https://reports.collegeboard.org/sat-suite-program-results/state-results>

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Sundquist, Kate. <https://blog.collegevine.com/here-are-the-average-sat-scores-by-state/>

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<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/Assessment/Pages/Georgia-Milestones-Assessment-System.aspx>