



New Mexico Student Growth Model

Student Growth Percentiles

What is the New Mexico Student Growth Model?

Student growth percentiles (SGPs) describe the amount of growth a student has demonstrated relative to academically-similar students from across the state. Growth percentiles range from 1 to 99, with lower percentiles indicating lower academic growth and higher percentiles indicating higher academic growth. As an illustration, let's consider a student named Amanda who scored a 700 on the statewide reading test last year. Using the SGP model, Amanda's score on this year's statewide reading test is compared to other students who also scored a 700 on the statewide reading test last year. Amanda's SGP rank will show how well she did on the test as compared to those students. For example, if Amanda's SGP is 80, that would mean she scored better on the statewide reading test than 80 percent of all students who previously scored a 700. This measure allows us to see how well Amanda is learning in comparison to her peers. To calculate the SGP for a school, NM Vistas uses the median, or middle, SGP of all of the students at that school.

SGPs are calculated separately for reading and math.

Where can I learn more?

Many states are using SGPs to describe the academic growth of students in their state. Several of these states have created great videos that provide more information about the model. Some of these videos can be accessed at these links:

Mississippi: <https://www.youtube.com/watch?v=LWUJ2eKSwbM&list=UU9nZALC1qeHSdK8xzIXkVsw>

Georgia: <https://www.youtube.com/watch?v=dyArv7184ZY>

Virginia: <https://www.youtube.com/watch?v=BDqj6t1UKYM>

Hawaii: <http://www.hawaiipublicschools.org/VisionForSuccess/SchoolDataAndReports/Growth-Model/Pages/home.aspx>

For more detailed information on the technical calculation of SGPs, please refer to *Beteabenner, D.W. (2011). A Technical Overview of the Student Growth Percentile Methodology: Student Growth Percentiles and Percentile Growth Projections/Trajectories. Dover, New Hampshire: The National Center for the Improvement of Educational Assessment.*