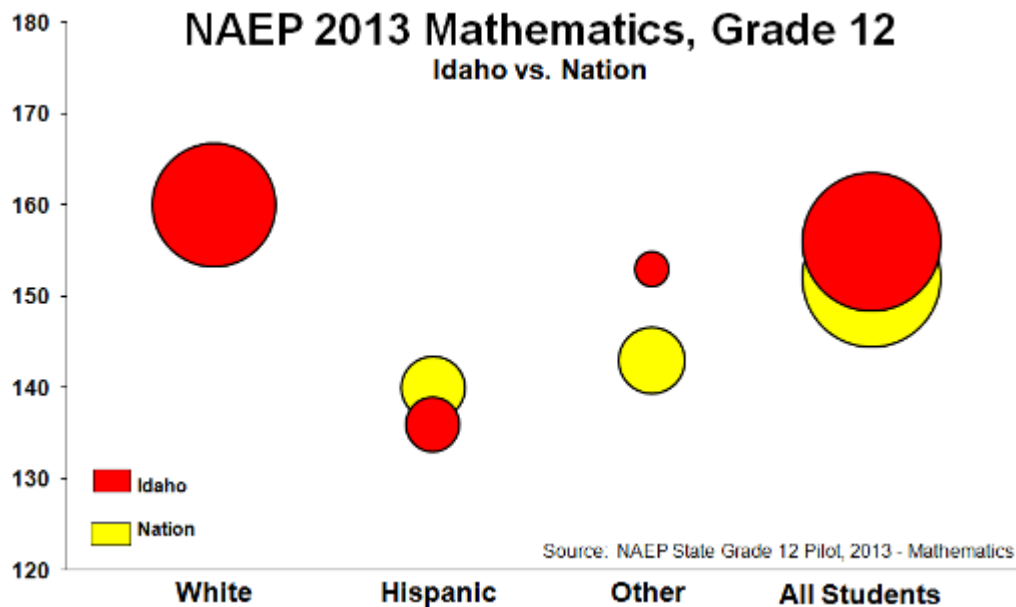


NAEP 2013 State Grade 12 Pilot, Mathematics Simpson's Paradox in Idaho



May 7, 2014

The National Assessment of Educational Progress (NAEP) reading assessment used multiple-choice and constructed-response items to examine student knowledge and skills using grade-appropriate literary and informational texts. Scores range from zero (0) to 300, where 141 is *Basic* (meets grade 12 expectations), 176 is *Proficient*, and 216 is *Advanced*.



The “total score for all students” depends not only on the average score for each of the subgroups (center of circle), but also on the proportion of students in each subgroup (area of circle).

- ▶ In 2013 on NAEP mathematics, Idaho’s grade 12 *White students* scored 160 compared to 161 for their national counterparts. White students made up 79 percent of Idaho’s grade 12 students, but only 56 percent of the nation’s seniors.
- ▶ In 2013 on NAEP mathematics, Idaho’s grade 12 *Hispanic students* scored 136 compared to 140 for their national counterparts. Hispanic students made up 15 percent of Idaho’s grade 12 students, but 21 percent of the nation’s seniors were Hispanic.
- ▶ In 2013 on NAEP mathematics, Idaho’s grade 12 *students in “other” racial/ethnic groups* scored 153 compared to 143 for their national counterparts. “Other” students made up six percent of Idaho’s grade 12 students, but 23 percent of their national counterparts.
- ▶ In 2013 on NAEP mathematics, *Idaho’s grade 12 students* scored 156 compared to 152 for their national counterparts.

Source: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2013 NAEP State Grade 12 Pilot - Mathematics. Visit <http://bdsphd.tripod.com> [Click NAEP on the navigation bar.]