

Census At School Webinar

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December 13, 2011

Statistical questions that can be answered by Census at School data:

Do males have better reaction times than females?

Do high school students have better reaction times than elementary students?

Are male students taller than female students at every grade level?

How many text messages do teenagers send each day?

Would students rather be rich or famous? Does this differ by age group? (elementary vs. high school)

Which states have the highest participation rates in this survey? Are all states represented?

Is gender related to choice of super power?

Is the number of text messages sent daily related to the number of hours of sleep on a school night?

Is the number of hours spent studying related to the number of hours of sleep on a school night?

Is favorite sport related to state of residence?

What type of sample would be best?

Is "Favorite Music" related to "Favorite Charity" among high school students?

Who gets the most sleep on a school night, males or females?

Which gender has the most variable foot sizes?

Is there an association between internet use and hours of sleep?

Is there an association between time spent with family and time spent doing homework?

Is there an association between height and reaction time?

If so, what could be a confounding variable?

How many more hours do girls spend texting than boys?

Does the state affect the students' favorite type of music?

What proportion of students are left-handed?

Suggestions for extending or improving project:

Require certain types of graphs: i.e. cumulative frequency of ages or heights, etc.
(and interpret)

Repeat the project at the end of the year so students can add statistical tests and intervals to their work and conclusions (i.e.: “Do reaction times differ by gender?” or “How much different are the mean reaction times between males and females?”)