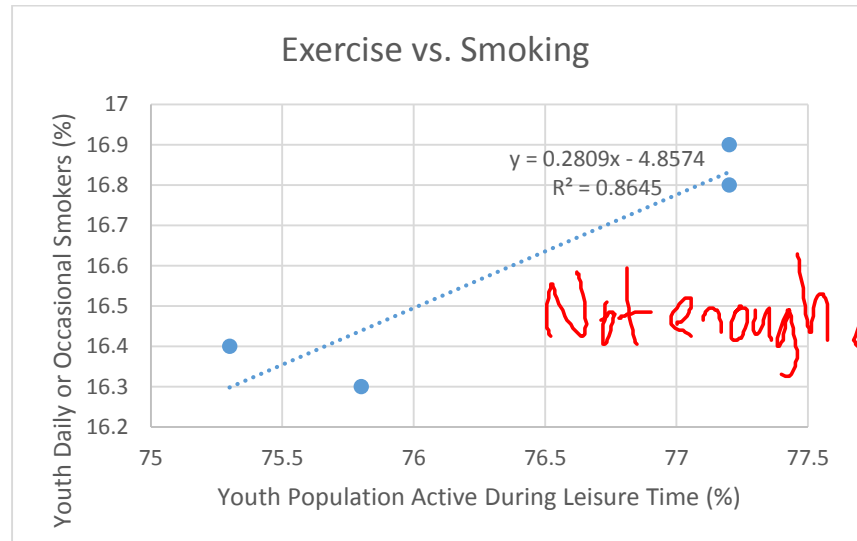


Is exercise driving our children to smoke?

Data collected from Statistics Canada has revealed a startling relationship between physical activity and smoking.

The data suggests that increases in the proportion of youth who exercise during leisure time lead to increases in the proportion of youth who smoke cigarettes. Perhaps most concerning is the high level of confidence in the relationship (86.5%) based on a very strong correlation coefficient of 0.93.



The data, and corresponding linear regression equation, suggest that if the percent of Canadian youth who are physically active during leisure time reaches 90%, over 20% of our youth will be smokers.

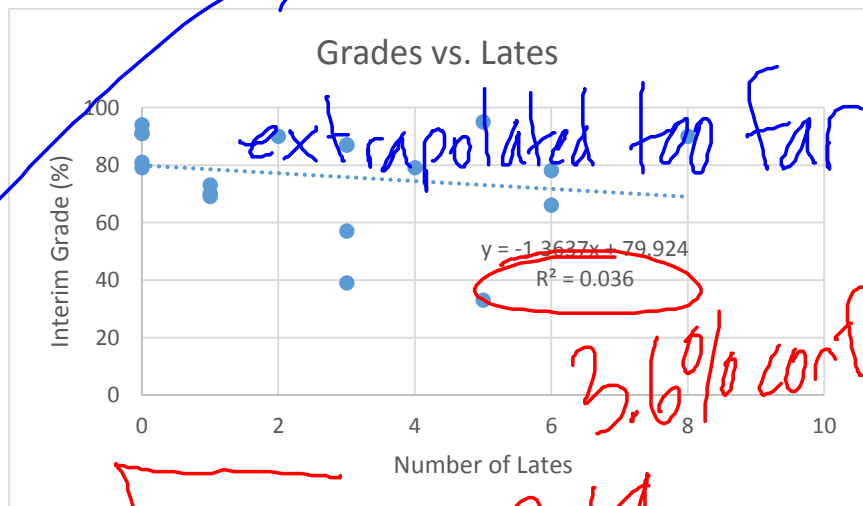
Have the benefits of exercise run their course?

	2007	2008	2009	2010
Population aged 12 to 19 that are active or moderately active during leisure time.	75.3	77.2	77.2	75.8
Percent of children and youth smoking cigarettes.	16.4	16.9	16.8	16.3

Does tardiness bring down grades?

Punctuality is seeming more important than ever in high school classrooms this morning. A new study suggests that grades can decrease by over 1.3% for each day a student is late.

In fact, according to this study, come late to class 22 times and you can kiss your credit goodbye!



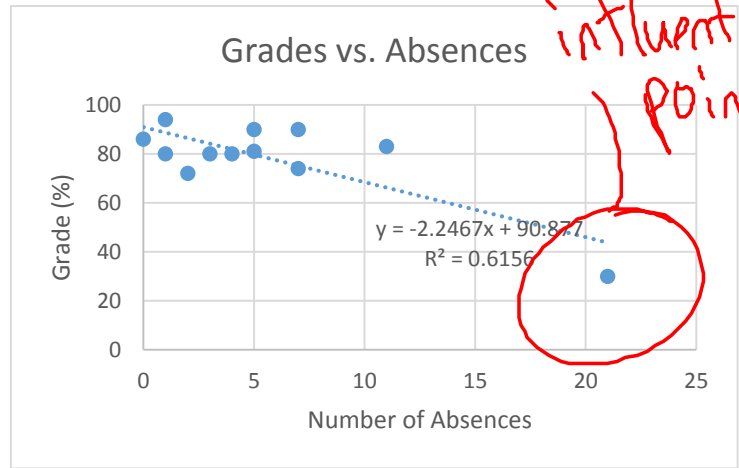
correlation coefficient $(r) = \sqrt{0.036} = 0.19$

Strong link shown between absences and success in math class.

A recent case study by a high school mathematics teacher has shown a clear link between missing class and success at school. The data, with a correlation coefficient of 0.78, suggest that each day of absence results in an average grade decrease of 2.2%.

In addition, students with perfect attendance are expected to achieve a grade of over 90%!

The moral of the story? Get to class!

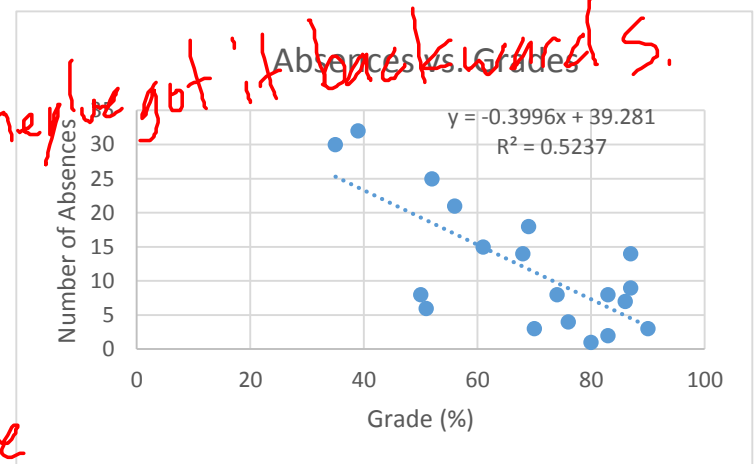


Want your students to come to class? Give them a good grade!

Teaching practices may be turned upside down in light of new data that reveals students who are excelling in a class are less likely to skip.

The research suggests that inflating student grades may result in better attendance.

Even more encouraging is the realization that giving a student a mark of 98% will, on average, result in perfect attendance!



They have switched the independent & dependent variables.

The Unexpected Benefits of CD Writers

Data collected from Statistics Canada has revealed an unexpected benefit of CD writers. It seems that increases in the proportion of homes with CD writers is resulting in increased internet access across the country.

The relationship, with a correlation coefficient of 0.99, boasts a 98% level of confidence!

