

Title: Using Applied Analytics and Big Data to Assess the Probability of Student Success, Measure Different Types of Learning Outcomes, and Build More Efficient Pathways to Degree-end Learning Objectives.

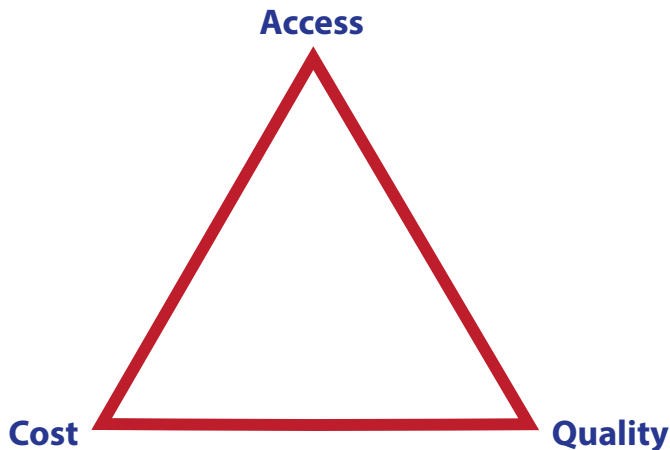
Short Presentations:

- **Commercial** – Educational Advisory Board, Student Success Collaborative
- **Institute** – John N. Gardner Institute for Excellence in Undergraduate Education
- **Academy** – University of New Mexico

Directed Discussions: What's happening on your campus?

We are drowning in information and starving for knowledge.

—Rutherford D. Roger

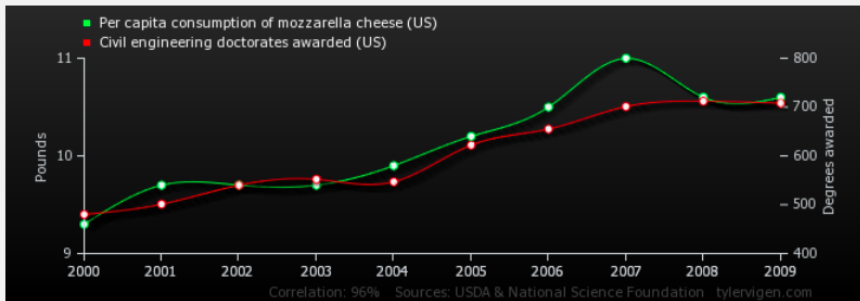


You can pick two ... this fixes the third.

Being able to find SPSS in the start menu does not qualify you to run a multinomial logistic regression.

—Forum Post, Chronicle of Higher Education

Per capita consumption of mozzarella cheese (US) correlates with Civil engineering doctorates awarded (US)



	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
<i>Per capita consumption of mozzarella cheese (US)</i> <i>Pounds (USDA)</i>	9.3	9.7	9.7	9.7	9.9	10.2	10.5	11	10.6	10.6
<i>Civil engineering doctorates awarded (US)</i> <i>Degrees awarded (National Science Foundation)</i>	480	501	540	552	547	622	655	701	712	708

Correlation: 0.958648

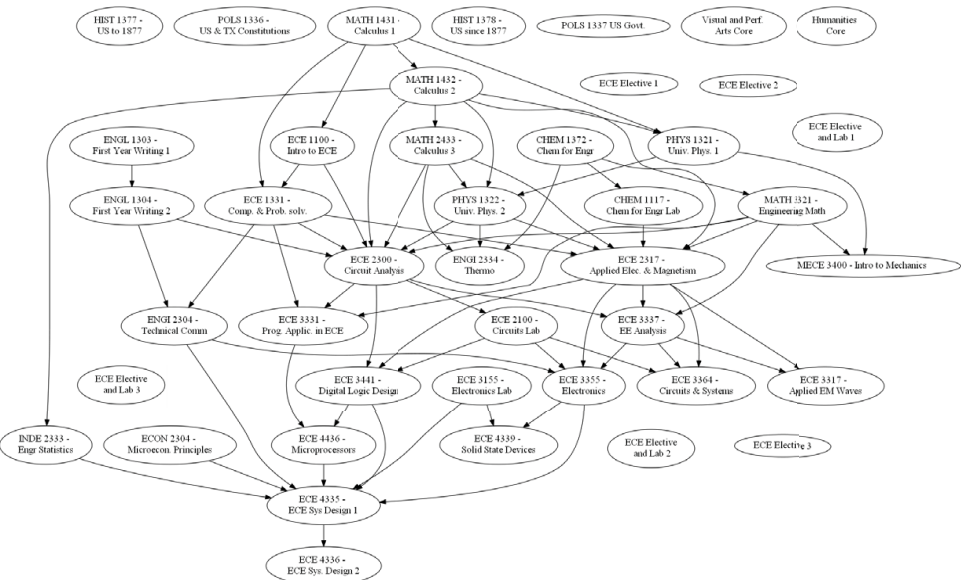
We can predict a student final GPA in the major (within 0.16 GPA points), based upon their first semester of performance.

What if it's bad news?

It is easier to change the course of history than
to change a History course.

—Unknown

Houston, We Have a Problem

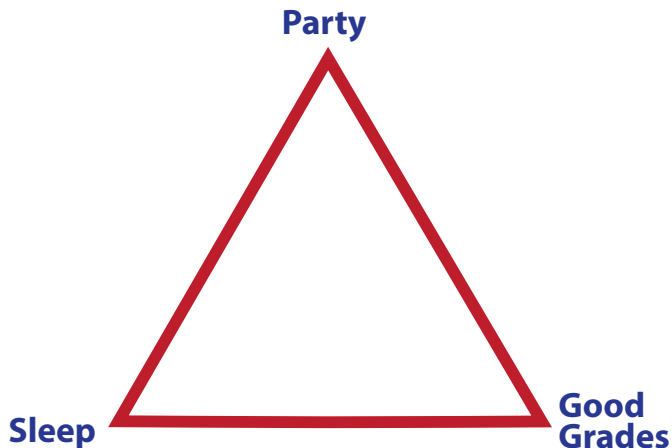


**There are three kinds of lies: lies, damned lies,
and statistics.**

—Benjamin Disraeli

Not everything that can be counted counts, and
not everything that counts can be counted.

—Albert Einstein



They get to pick two ...

teenage sex

teenage sex: everyone talks about it,

teenage sex: everyone talks about it, nobody really knows how to do it,

teenage sex: everyone talks about it, nobody really knows how to do it, everyone thinks everyone else is doing it,

teenage sex: everyone talks about it, nobody really knows how to do it, everyone thinks everyone else is doing it, so everyone claims they are doing it...

—Dan Ariely