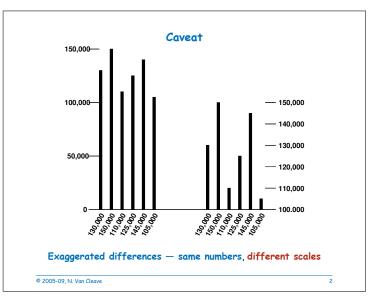
Chap 1, Sec. 4: Calculating, Estimating, and Reading Graphs

- You should be able to use a calculator to add, subtract, multiply, divide, and to know if the result is "in the ball park."
- You should be able to estimate answers without a calculator
- You should be able to interpret graphs such as pie charts, bar graphs, and line graphs.
- Don't forget the Chapter Test it's useful for reviewing the chapter.

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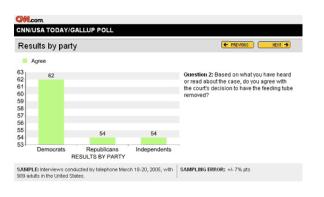
An Example of a Misleading Chart — from CNN

In the midst of the Terri Schiavo Media/Political Frenzy, 2005

"...[I]t wasn't just feckless pundits who were trying to turn this story into some kind of Republican vs. Democrat freak-fest — mainstream media outlets were desperate to get in on the act too.

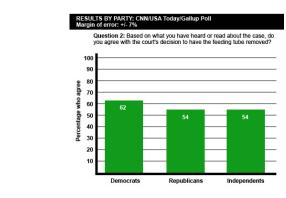
CNN tried especially hard, even going so far as to produce some dubious graphics indicating that compared to Republicans and Independents, Democrats were overwhelmingly in favor of removing Terri Schiavo's feeding tube:"

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Note the scale on this graph. This is a classic example of how to "lie with statistics" - that is, to doctor a graph to make it produce an emotional, visual result. Thanks to Media Matters, here's the graph on a scale from 0 to 100:

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"Wow... that doesn't have quite the same impact, does it? In fact, if you take into consideration that the margin of error in the poll is 7 percentage points, the results are pretty similar."

From: http://www.democraticunderground.com/top10/05/191.html

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