













Regress housing prices on number of bathrooms.

- 1. Houses with three baths sell for \$20,000 more than houses with two baths.
- 2. <u>For every additional bathroom, the price</u> of a house <u>increases</u> by \$20,000.
- 3. If you <u>add</u> a bathroom, you **can expect** to increase the price of your house by \$20,000.









"Students that take your course are better at thinking. Keep up the good work!"

Perhaps students would tell other students, "You should take that Statistical Literacy."



Why Not Four-Year Colleges? C13

Students at four year colleges are more likely

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- to have completed calculus or finite math.
- to be required to take statistics by their major: business, economics, psychology, sociology, etc.
- to use statistical inference in graduate school or in research in a future job.
- to be taught in departments where statistical inference is the justification for the course.

Why Two-Year Colleges? C14

Students at two-year colleges

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- need more help with arithmetic and algebra
- need more work on reading and writing.
- need more work on distinguishing what is given from what is being asserted
- need more work on conditionality
- need to be taught mathematics in a context that clearly and readily relates to the 'real world'.