TEACHING SAMPLING DISTRIBUTIONS

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WHY THIS TOPIC?

- They're foundational!
- They're confusing!





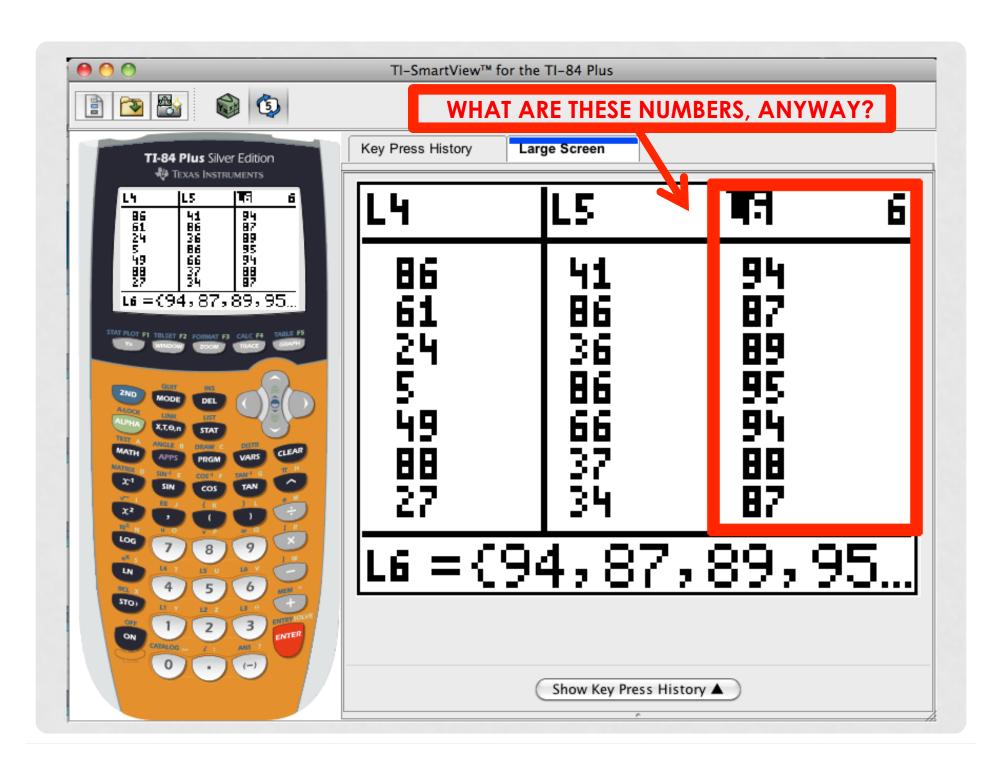


NO TECHNOLOGY

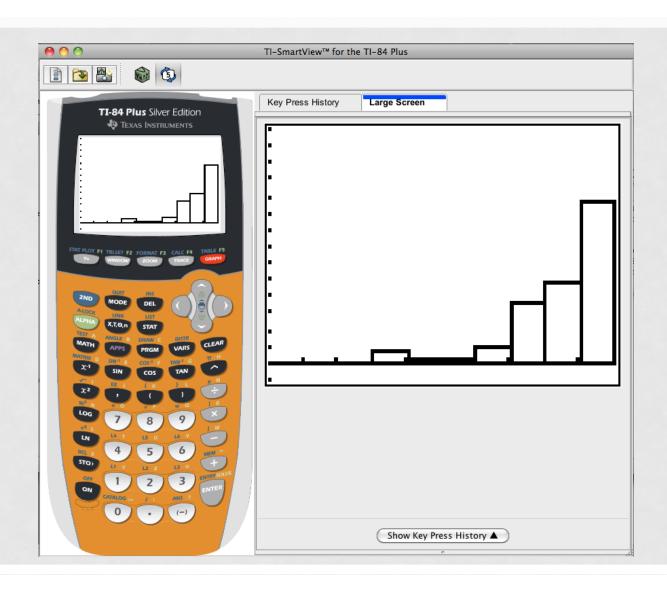
- A fun(ny) activity!
- Great to show a complete distribution.
- Best used with means.

GRAPHING CALCULATORS

- Allows a look at multiple statistics.
- Uses programs to put statistics in list 6.
- Shows students what a biased statistic looks like.



A BIASED STATISTIC



FATHOM

- We can now sampling 100 integers using different sample sizes.
- What do you see?

FATHOM, BUT EVEN BETTER!

 You can create a population of any shape

FILES ON THE WEBSITE

• Files used in this presentation can be found at:

http://www.mrtysonstats.com