

Note on Reporting

• What it means:

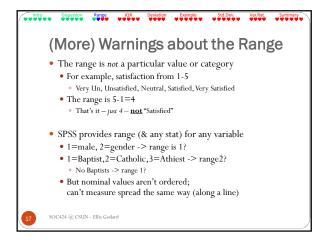
• The range is NOT a measure of what the typical case is or does

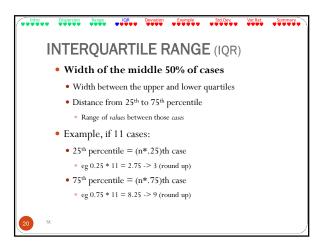
• That's the mean (and other measures of CT).

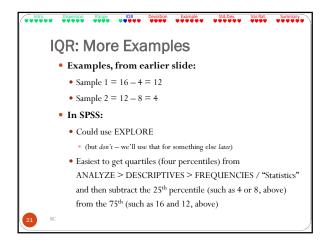
• Measures of dispersion assess how much cases DIFFER from each other

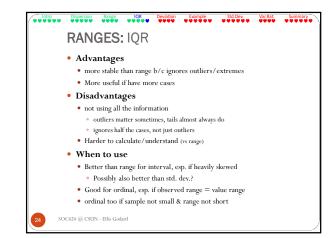
• What the value is:

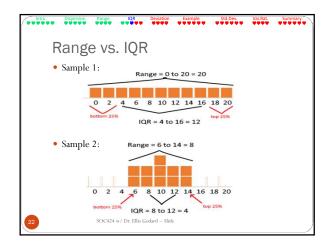
• So, if the range is 3, do NOT report the label for the third value (e.g. "\$30-39K).





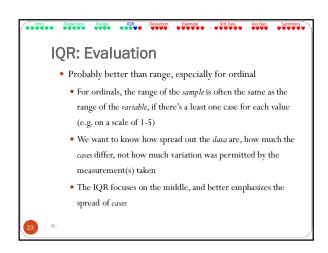


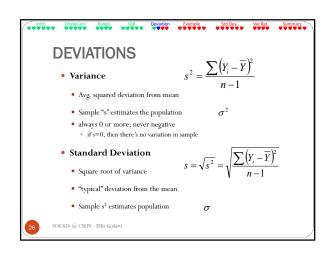


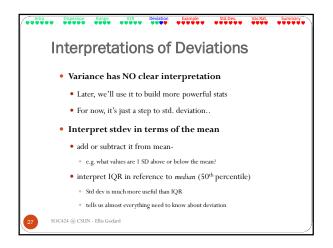


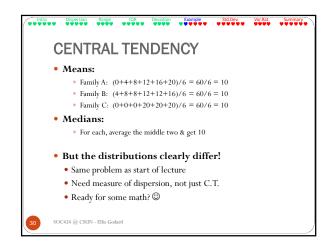
DEVIATIONS

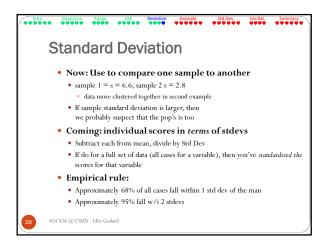
A "deviation" is a difference or distance
e.g. how far a given score is from a mean
It's an error, in a sense
if we use the mean to summarize the data, it differs from each case by some amount
There will always be deviations
Otherwise, everyone would have the same score
Want to talk about the typical deviation
Could sum and divide by n if wanted the average deviation and didn't need to make inferences from the data
But there's almost no use for variance w/o inferences, so we use n-1 for denominator — more on that later, w/ dfs

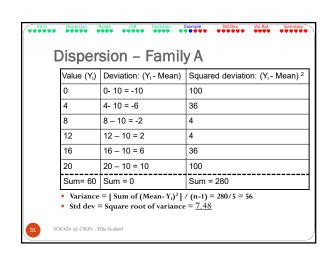


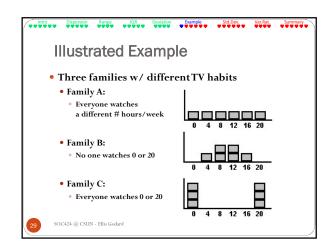


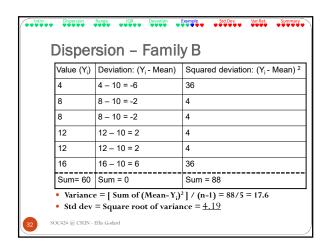


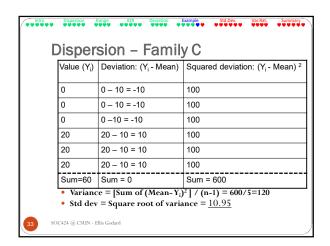


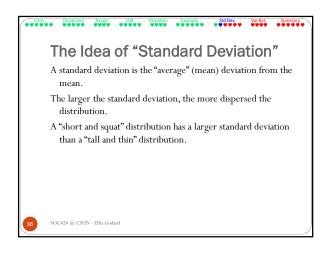


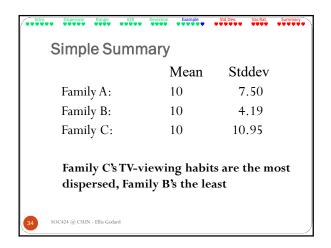


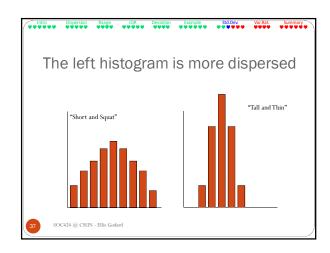












A STANDARD TERM
IN STATISTICS,
IT'S THE DIFFERENCE
BETWEEN ONE OF
A SET OF VALUES &
THE MEAN VALUE OF
THE SAME SET

