

Fair warning...

LOTS of slides today...

Like , seriously... LOTS!!!

breathe deeply...

roll your head...

AAAAAaaaaaahhhh.....

Ready? ©

Announcements

• Grading Updated (PDF & email)

• You've submitted ~17%, I've graded ~94% of that

• Still need some intake forms & headshots

• Some said "no" either to email or to pdf – email if you change your mind

• Be cautious on homework!

• Read the questions, Don't skip questions, & Answer the Questions

• Work alone! Don't "help" others by sharing your work

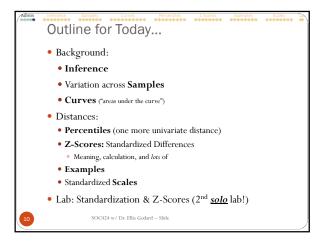
• Only labs are group work – & not even all of those – TODAY's is solo!!

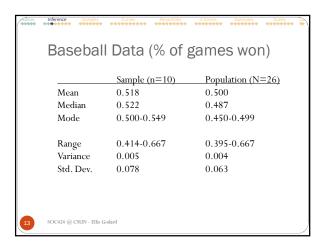
• Lots of extra credit! (Mystery Measurements etc.)

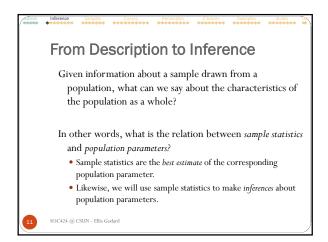
• Coming Soon (not today): Best. Lab. Ever. Evah.

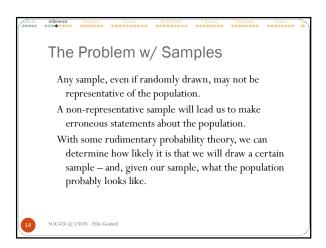
• All the pieces come together – light @ end of tunnel ©

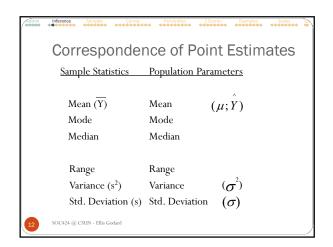


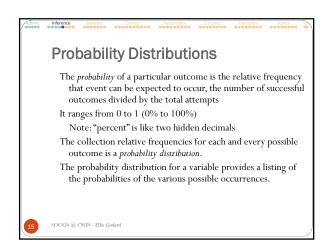


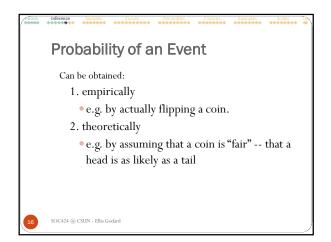


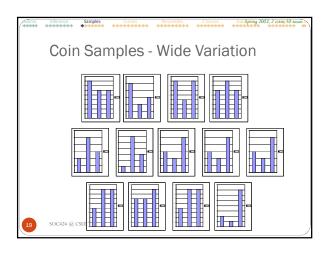


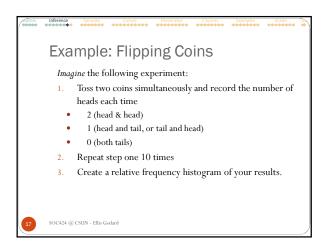


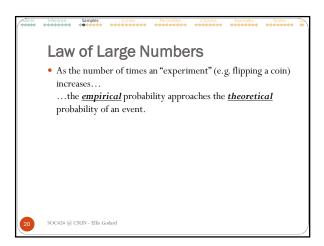


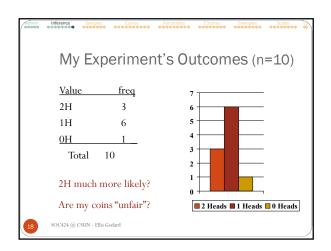


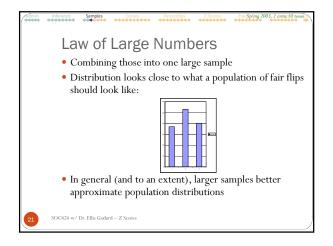


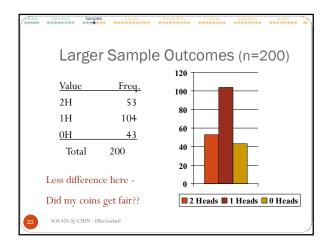


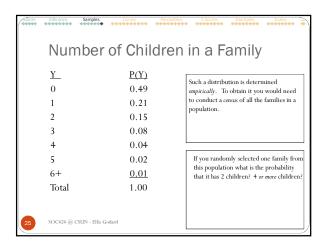


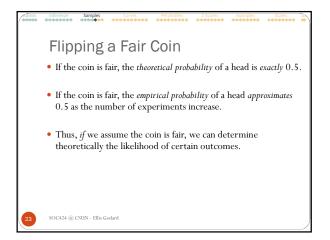


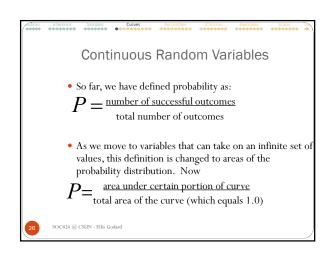


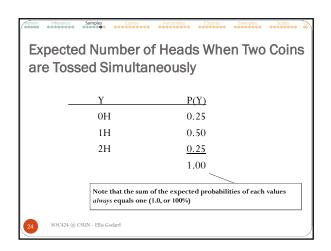


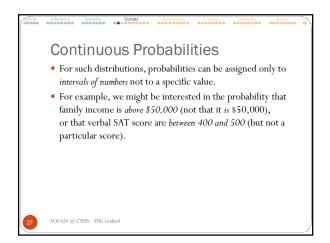


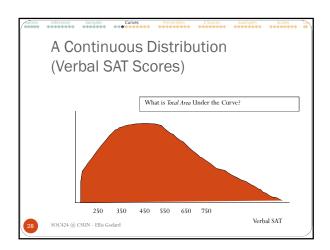


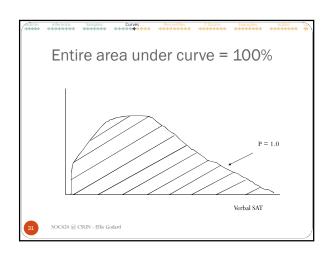


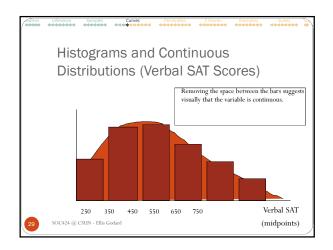


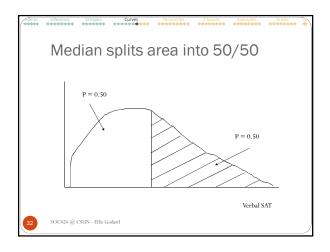


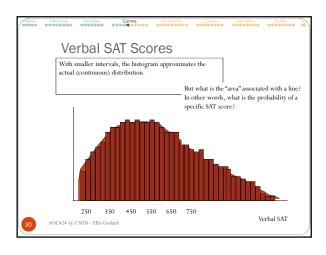


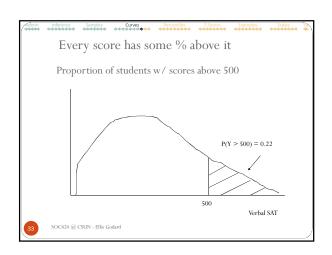


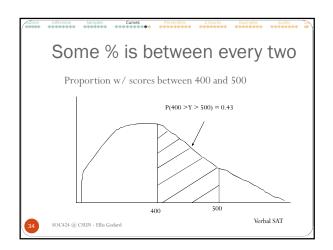


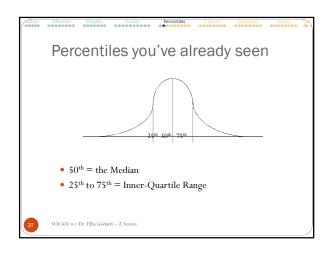


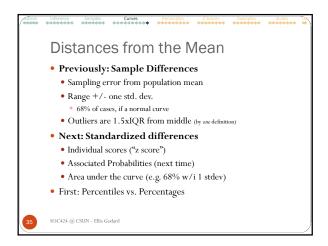


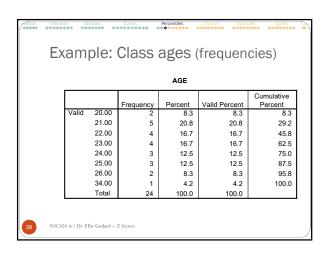


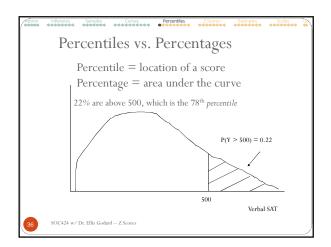


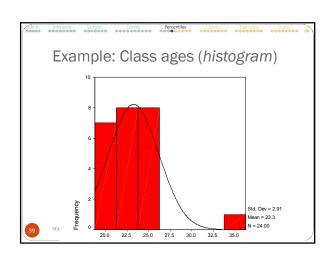


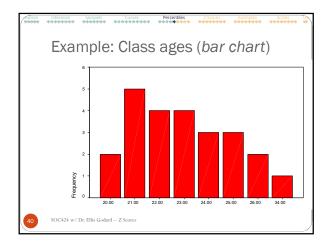


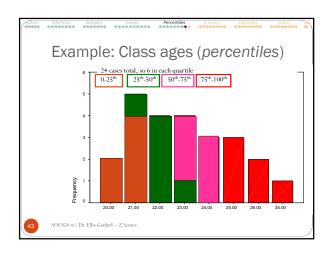


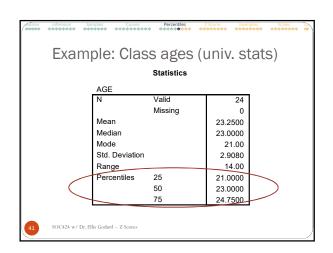


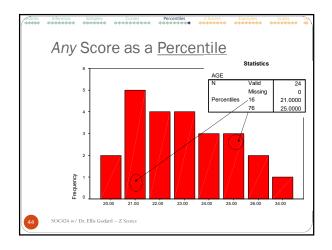


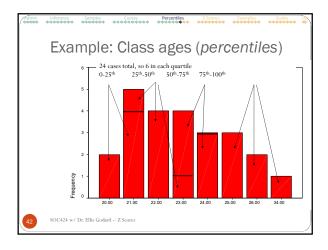


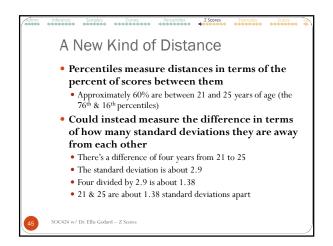


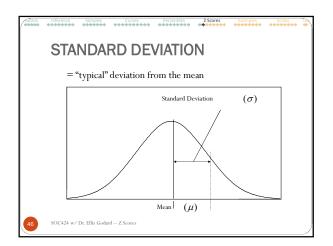


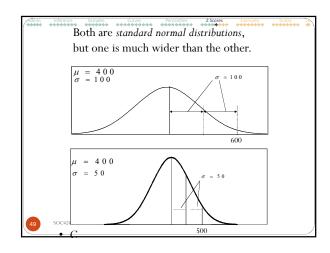


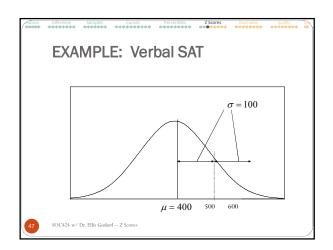


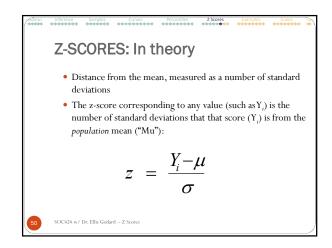


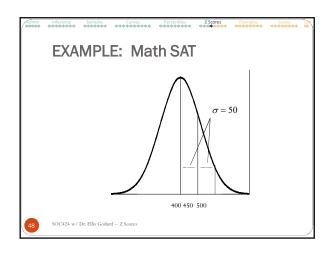


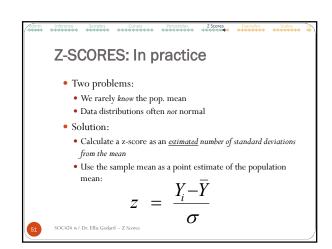


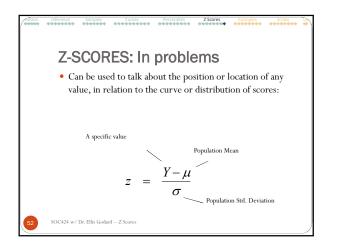


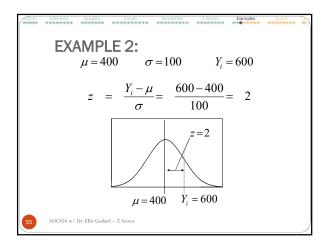








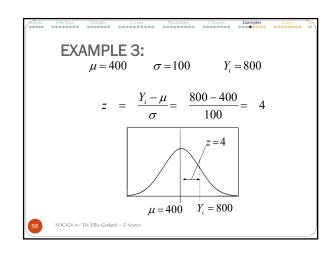


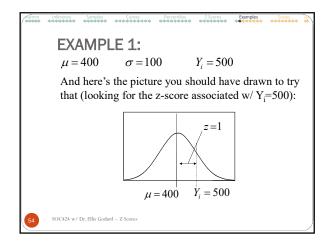


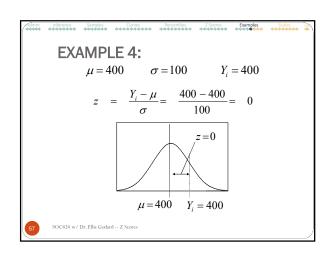
EXAMPLE 1:

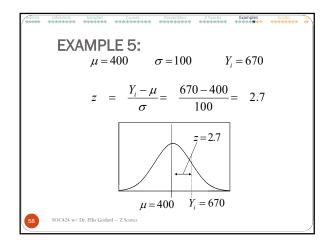
If the population mean is 400 and the population standard deviation equals 100 (in other words, $\mu = 400$ and $\sigma = 100$), then...

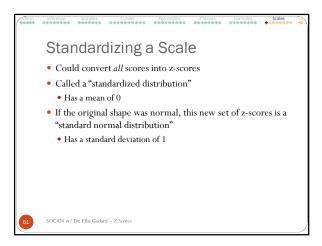
What is the z-score associated with $Y_i = 500$? $z = \frac{Y_i - \mu}{\sigma} = \frac{500 - 400}{100} = 1$ Note: a negative z means that the value falls below the mean (150 < 400).

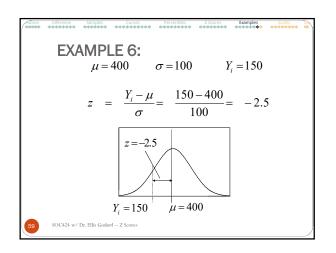


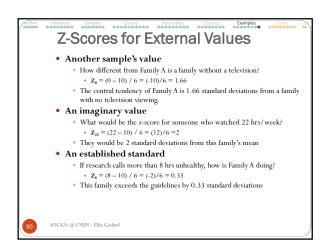


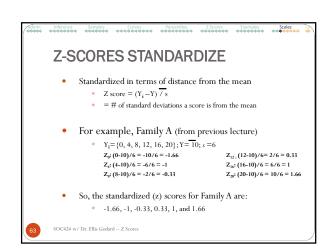


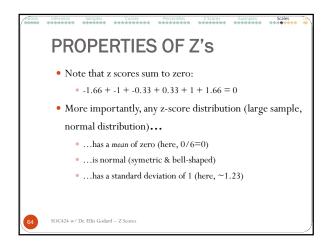


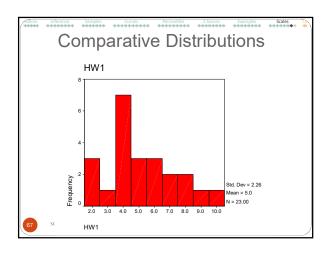


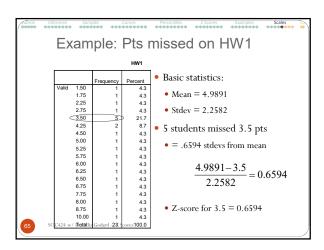


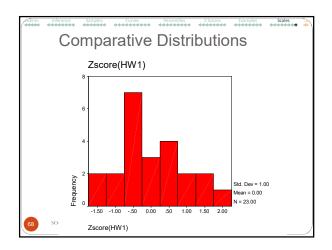


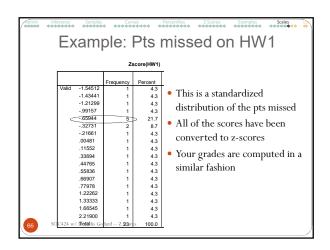


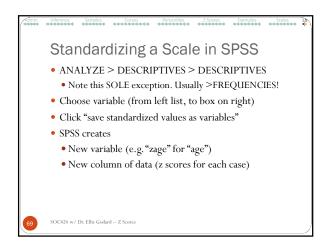












Next Lab: Standardize Scores

You should each do this separately. On your own. Not in groups. It's a "solo" lab.

1. Choose an interval variable from the given dataset

2. Calculate your z-score for that variable (the z-score for your value)

3. Standardize the entire scale (not by hand! see previous slide!)

4. Report mean & standard deviation for that standard scale (again, not by hand – use SPSS, though you wont need it) (and not for the original variable – e.g. zage, not age!)

5. You don't need to submit any SPSS output

• Just submit answers to 1, 2, & 4

• And you should know the answers for 4 before you even start ©

SOC424 w/ Dr. Ellis Godard -- Z Scores