

Order of Play

- ⦿ Last Week's Answers
- ⦿ Stata Basics Recap
- ⦿ Very Quick Recap
- ⦿ Commands and Handout

Stata Basics Recap

- ⦿ Command structure:
 - command variables, subcommands
- ⦿ If functions:
 - command variables if functions, subcommands
- ⦿ Capitals:
 - Stata is case sensitive
- ⦿ Do-files:
 - commands, notes
- ⦿ Mata:
 - do sums, end

Very Quick Recap

● Calculating t:

$$t = \frac{\bar{X}_1 - \bar{X}_2}{\sqrt{\left(\frac{\sigma^2_1(N_1 - 1) + \sigma^2_2(N_2 - 1)}{N_1 + N_2 - 2}\right) \left(\frac{1}{N_1} + \frac{1}{N_2}\right)}}$$

● Calculating effect size:

$$ES = \frac{\bar{X}_1 - \bar{X}_2}{(s_1 + s_2)/2}$$

- Rough strengths: 0-0.2 = small; 0.2-0.5 = medium; 0.5+ = large.

Commands and Handout

- ◎ This week we'll use:
 - summarize, ttest, generate, replace, kdensity
 - unequal, if, addplot
- ◎ The handout's not too long this week but it's still up to you whether you want to read it or skip straight to the exercise