

Section 5.3: cont'd

Friday, June 12, 2015
8:41 AM

Assign 4 due date moved to
Wed, June 17th

for point estimates and confidence intervals,
calculation is done the same way:

$$\begin{aligned} N &= \bar{x} \pm \text{MOE} \\ &= \bar{x} \pm z_{\alpha/2} \frac{\sigma}{\sqrt{n}} \end{aligned}$$

note: for large sample sizes, when σ is unknown,
okay to replace it with
 s - sample std dev

$$N = \bar{x} \pm z_{\alpha/2} \frac{s}{\sqrt{n}}$$