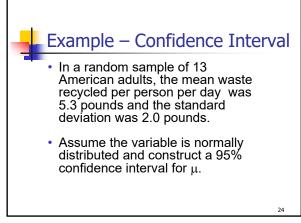
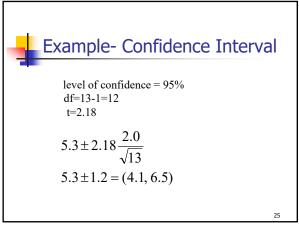
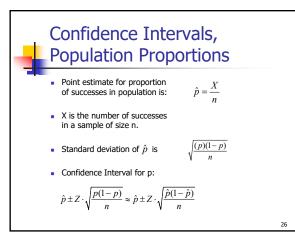


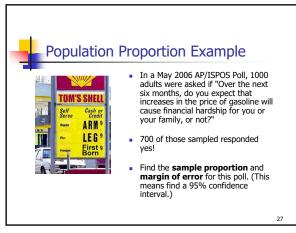


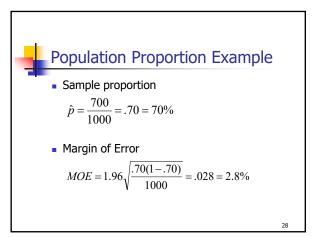
Confidence Interval for  $\mu$  ( $\sigma$  unknown) Formula to find a confidence interval using the t-distribution for the appropriate level of confidence:  $\overline{X} \pm t \left(\frac{s}{\sqrt{n}}\right) \quad df = n-1$ 

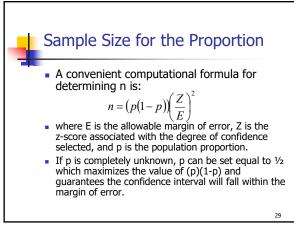


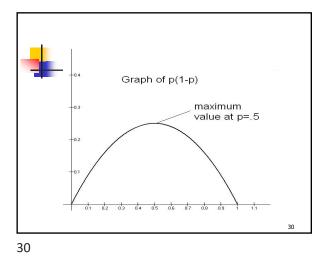














• In polling, determine the minimum sample size needed to have a margin of error of 3% when p is unknown.  $n = (.5)(1 - .5)\left(\frac{1.96}{.03}\right)^2 = 1068$ 

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