



[9.2] CT for Population MEAN "MRTISMEAN" (SUSE E-distribution CI for Mean X-E<M<X+E or (X-E, X+E) How to construct Fire point estimate: X (and also sample standard devictions)

(5) check requirements: (1) SRS (2) indep (3) original distribution 2) Find critical value: tazz 3 Ever E = ta/2 s S = sample (4) Find CI Compute X ± E & wintle  $CI: \left(\bar{x}-\bar{E}, \bar{x}+\bar{E}\right)$  $\Rightarrow$   $t_{\alpha/2} = |invT(\alpha/2, df)|$ (cr = inv T(1-4/2, df)) · 0/2 want why not uning [Estimating Sample Size]  $n = \left(\frac{Z \times L \times S}{F}\right)$ 

t-dist?

to/come don't know

n (we're trying to

find this) so

we use Zaz asest.