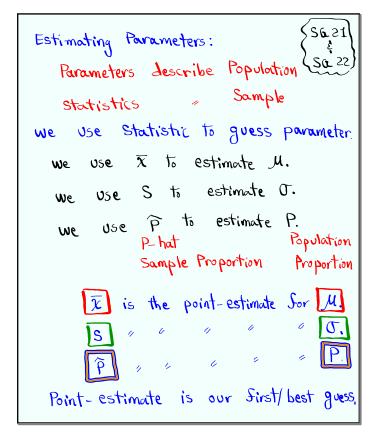


Feb 19-8:47 AM

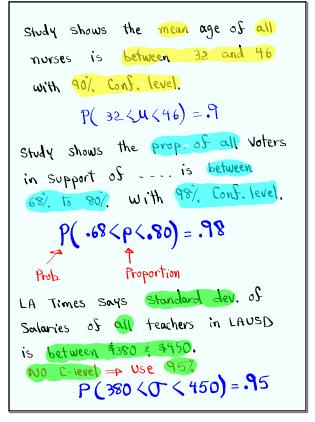


Jul 23-4:39 PM

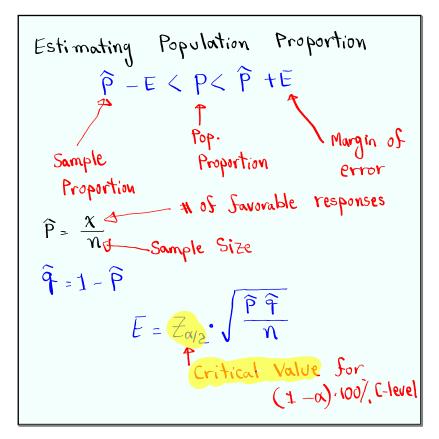
1

```
when estimating any parameters, the
answer will be a range of Values
                        Confidence - Interval
 84 (U/96 Conf. interval for Pop. Mean
                              Standard
  8.5<0<10.8
                                  Dev.
  .38 < P<.52 "
                               POP.
                                Proportion
Prob. that the parameter Salls in
 the Conf. interval is Called
  Confidence level
     Middle Area in the graph of Prob.
                                 dist.
 IS C-level not given
                 => Use 95%
```

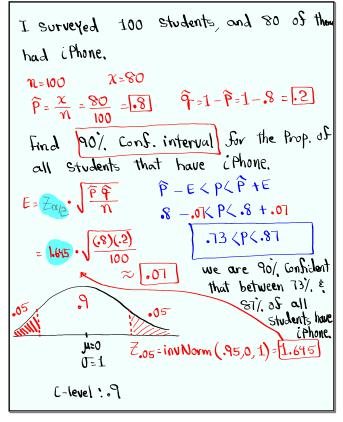
Jul 23-4:46 PM



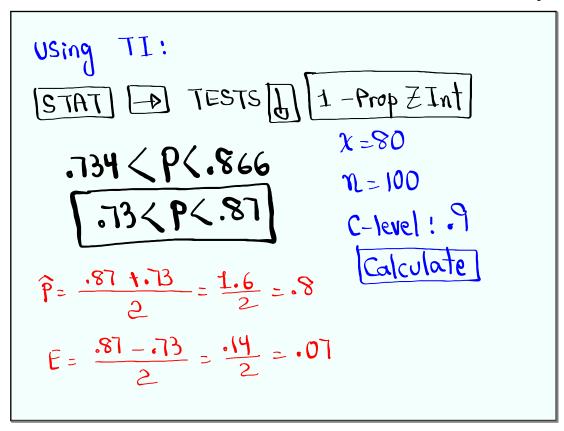
Jul 23-4:52 PM



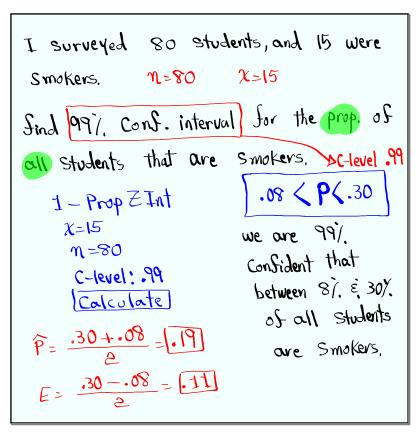
Jul 23-5:01 PM



Jul 23-5:07 PM



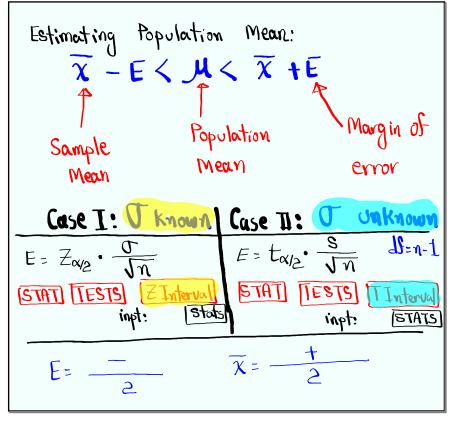
Jul 23-5:18 PM



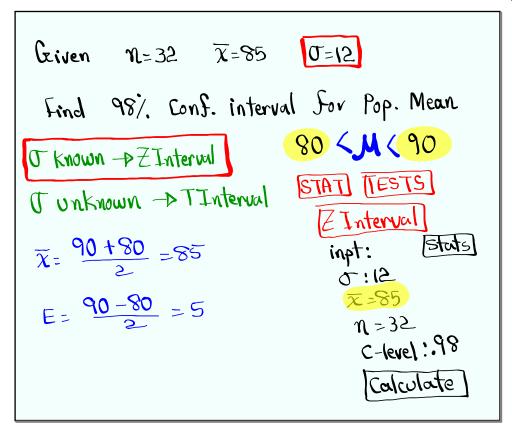
Jul 23-5:24 PM

```
I surveyed 185 Voters and 42%, of them
were in support of ICE action.
     n=185 x=np=185(.42)=77.7=78
      P=.42 if decimal - Pround-up
Sind Conf. interval For the prop of all
Voters in Support of ICE action.
                          .35 < P<.49
LANO C-level => Use .95
STATI TESTS 1-PropZInt
                           with 95%
                            cons. level,
                2=78
                12185
                            Prop. of all
                 C-level: 95 Voters in
                 Calculate Support of Ite
                             is between
                              35/ E 49/
 E = \frac{.49 - .35}{2} = .01
```

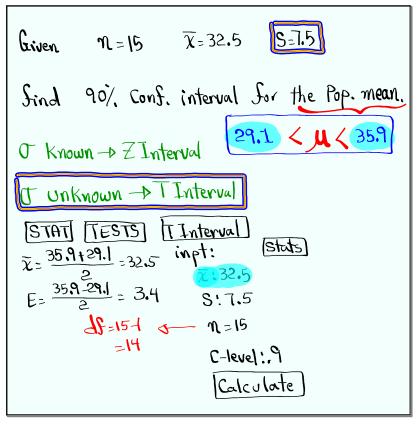
Jul 23-5:31 PM



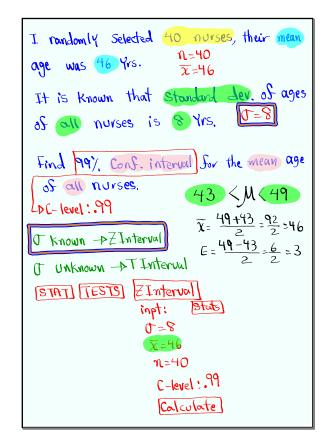
Jul 23-5:55 PM



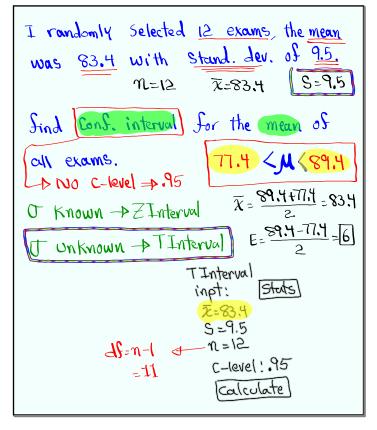
Jul 23-6:03 PM



Jul 23-6:08 PM



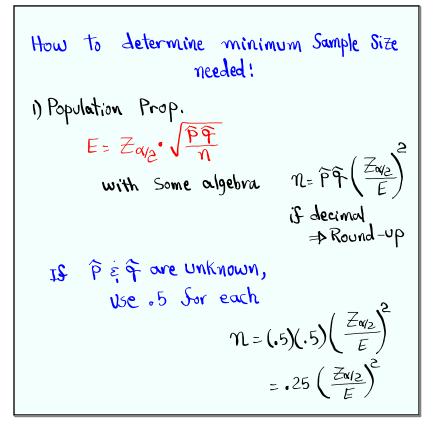
Jul 23-6:16 PM



Jul 23-6:25 PM

```
I randomly selected 10 new textbooks.
 Here are the prices:
                                find tes
               100 80 70 Round to
               140 100 90
   150 135
                                whole #.
        C-level : 9
                               X=108
Sind 90% Conf. interval for S=27
 the mean Price of all new
                              \eta = 10
  textbooks
                    92 < M<124
                     \widetilde{\chi} = \frac{124 + 92}{2} = 108
J unknown
    T Interval E = \frac{124-92}{2} = 16
     itqni:
     \overline{\chi} = 108
      5=27
      n=10
       C-level: .9
```

Jul 23-6:35 PM



Jul 23-6:46 PM

Sind min. Sample Size needed to Construct

90%. Cons. interval Sor Pop. Prop. with

margin of error of 5%.

1) Assume
$$\hat{P} = .4$$
.

 $M = \hat{P} = \left(\frac{Z_{0/2}}{E}\right)^{2}$
 $M = \frac{Z_{0/2}}{E}$
 $M = \frac{Z_{0/2}}{E}$

259.7784

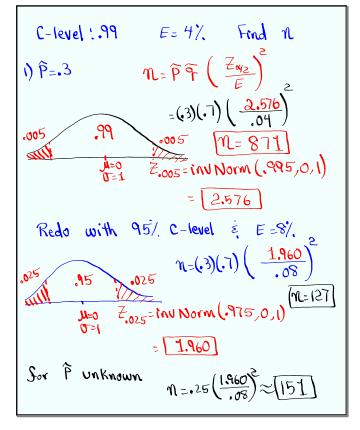
 $M = \frac{Z_{0/2}}{E}$

260

270.6025

 $M = \frac{Z_{0/2}}{E}$

Jul 23-6:50 PM



Jul 23-6:58 PM

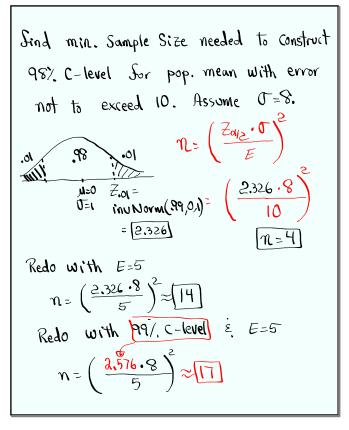
How to determine minimum Sample Size needed!

2) Population Mean

$$E = Z_{\alpha/2} \cdot \frac{\sigma}{J_{N}}$$
with Some algebra

$$1S = \left(\frac{Z_{\alpha/2} \cdot \sigma}{E}\right)^{2}$$

Jul 23-6:46 PM



Jul 23-7:10 PM