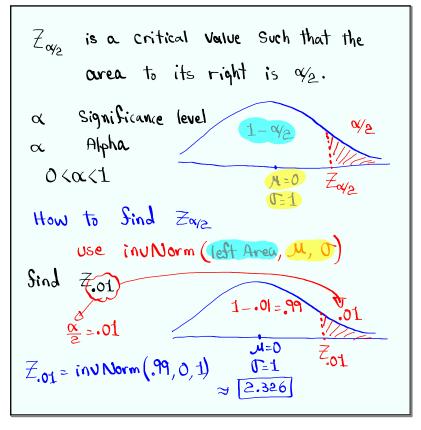
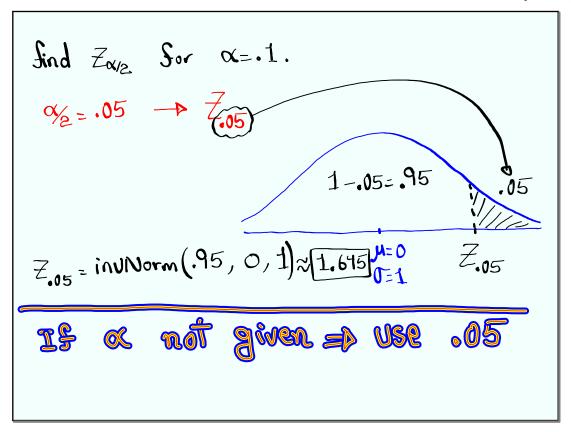


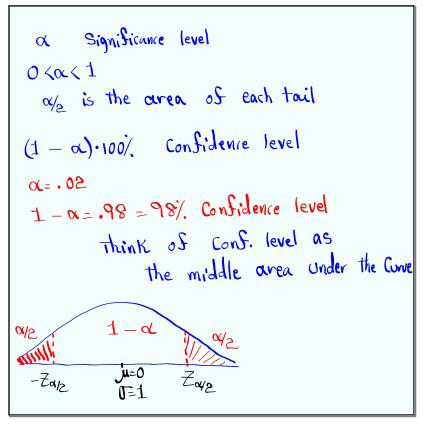
Feb 19-8:47 AM



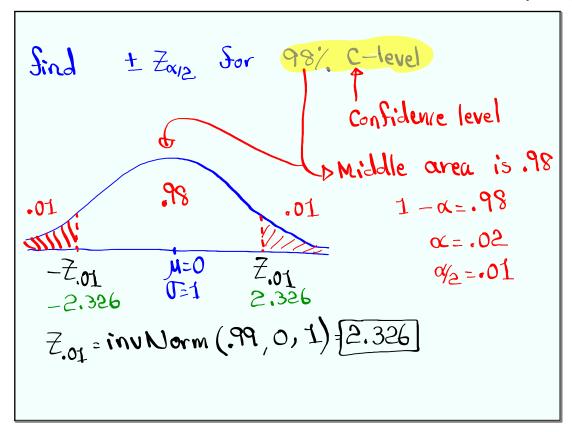
Apr 30-1:55 PM



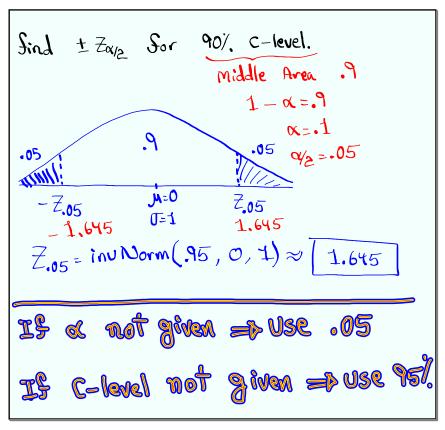
Apr 30-2:01 PM



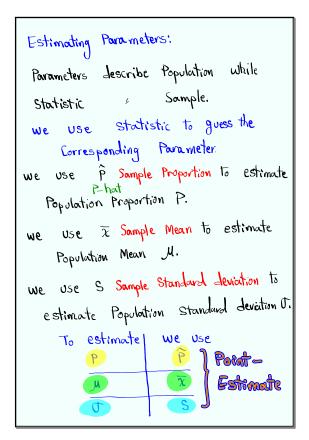
Apr 30-2:04 PM



Apr 30-2:08 PM



Apr 30-2:12 PM



Apr 30-2:17 PM

when estimating parameters, the answer is a range of values.

Considence interval

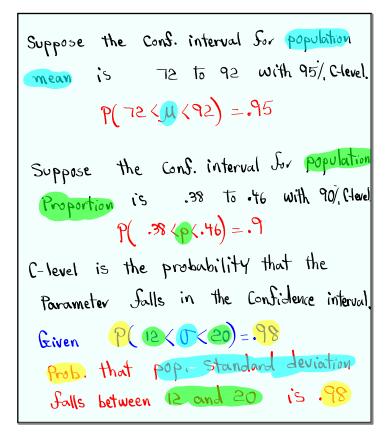
Probability that the parameter falls

Within Considence interval is

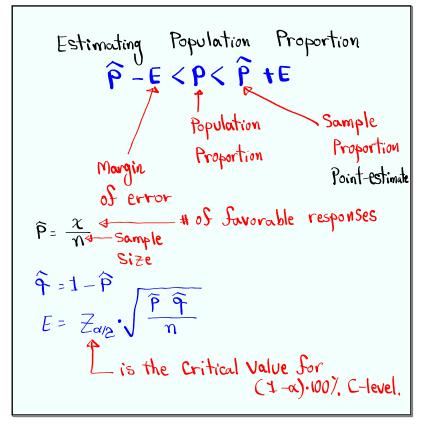
the Considence level.

Middle

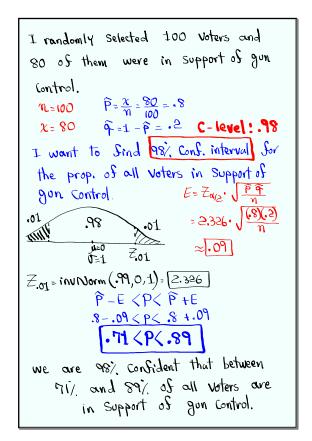
Area



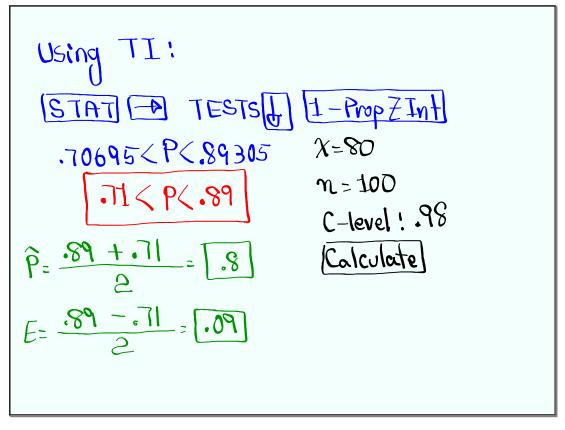
Apr 30-2:28 PM



Apr 30-2:35 PM



Apr 30-2:41 PM



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I surveyed 250 students and 32 of them were Smokers.

Sind 199% Cons. interval for the prop of all students that Smoke.

1 - Prop ZInt .07 < P < .182

1 - Prop ZInt .07 < P < .182

1 - Prop ZInt .07 < P < .18

1 : 32

1 - Prop ZInt .07 < P < .18

1 : 32

1 - Prop ZInt .07 < P < .18

2 : 250

1 am 99% Consident that between 7% and 18% of all students smoke.

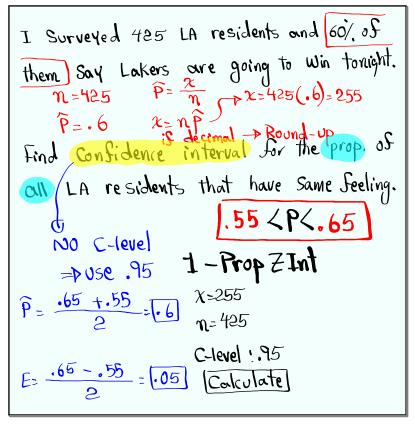
1 : 18 + .07

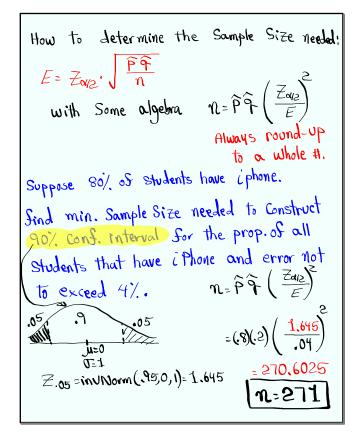
2 : .18 + .07

2 : .055

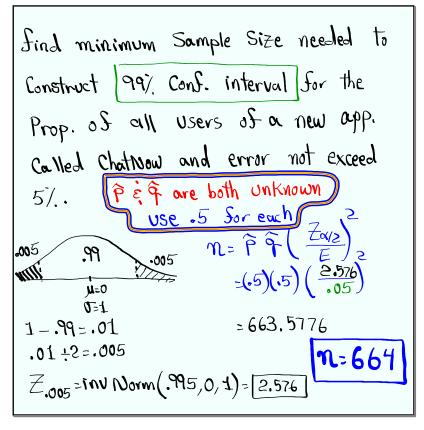
Point-estimate Margin of error
```

Apr 30-2:55 PM





Apr 30-3:12 PM



Apr 30-3:21 PM

when working with cons. interval for

Proportion

1) use inu Norm to find Zaya

2) use I - Prop ZInt to find

Cons. interval.

3) Looking for $x \Rightarrow x = n\hat{p}$ Always round-up

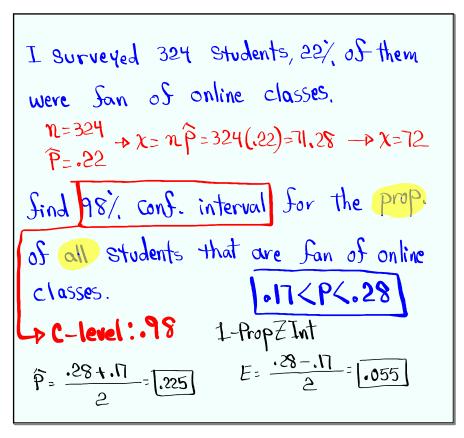
4) C-level not given \Rightarrow use .95

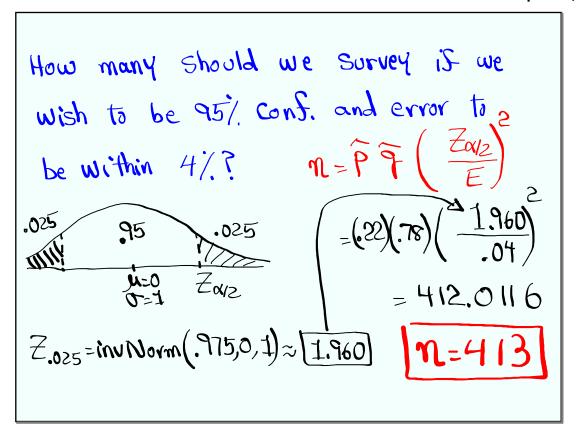
5) $\hat{P} = \frac{t}{2}$, $E = \frac{-t}{2}$ 6) Min. Sample Size $n = \hat{p} \hat{q} \left(\frac{Z_{N/2}}{E}\right)$ Prif when \hat{p} use .5

Always

Not given \hat{p} or each \hat{p} Round-up

Apr 30-3:30 PM





Apr 30-3:40 PM