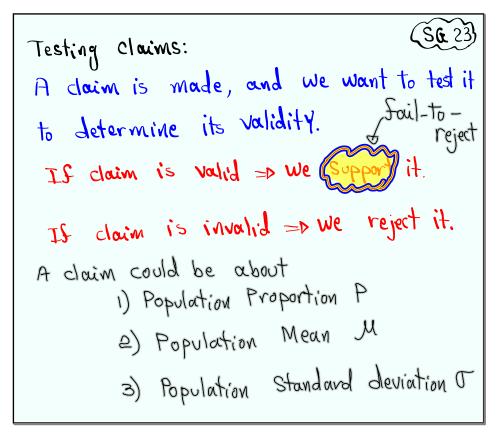




Feb 19-8:47 AM



Feb 5-4:46 PM

Feb 5-4:51 PM

why do we test a claim?

To determine its validity.

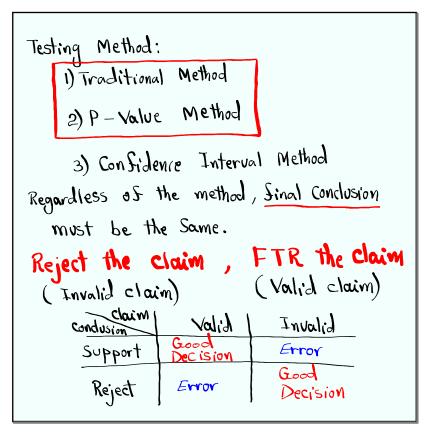
Valid claim (##) We Fail-to-reject.

Invalid claim (##) We reject it.

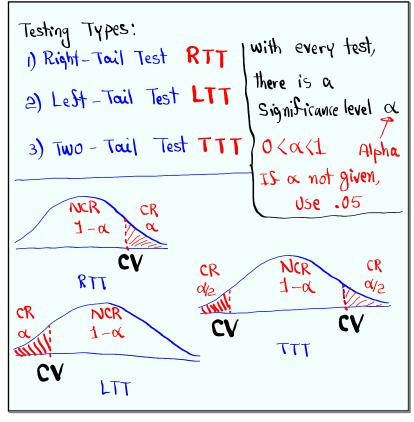
Possible Errors:

Valid claim but we reject it.

Invalid claim but we support it.



Feb 5-4:58 PM

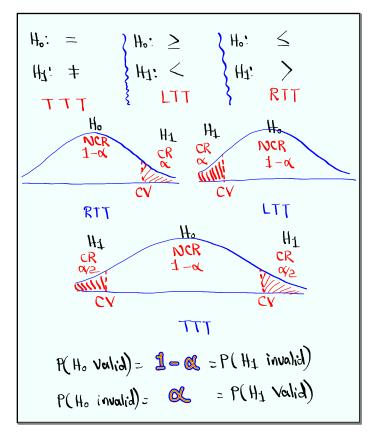


Feb 5-5:05 PM

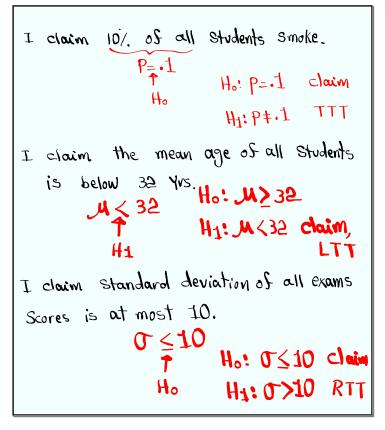
```
Testing Process:
               έ H1
1) Set -UP
            H<sub>o</sub>
                    Alternative Hypothesis
            Noll
            Hypothesis
2) find all critical values.
   Drawing, labeling, Shading, and TI command
                                  required.
3) Find Computed Test Statistic CTS and
      P- Value P.
      Formula or TI command required.
4) use testing chart to determine the
      Validity of Ho & Hz.
5) Draw final Conclusion about the daim,
       claim could be the or HI.
  Final Conclusion
                          FTR the daim
    Reject the claim
```

Feb 5-5:12 PM

```
More on Ho & H1:
Ho must contain the equal Sign = >> , ≤
H1 Cannot Contain the equal Sign > +, <,>
Keywords Sor Ho:
 is, equal, not different, at least, at most,...
Keywords Sor H1:
is not, not equal, different, more than, less than
  exceed, below, above,
                          Right-Tail Test
  when Hz: >
                          Left-Tail Test
  when H1: <
                           Two-Tail Test
   mpen Ht; +
HI helps us to determine the testing type.
    Always identify claim and
                           testing type.
```



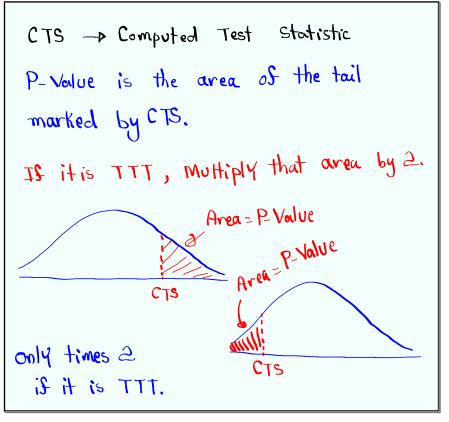
Feb 5-5:27 PM



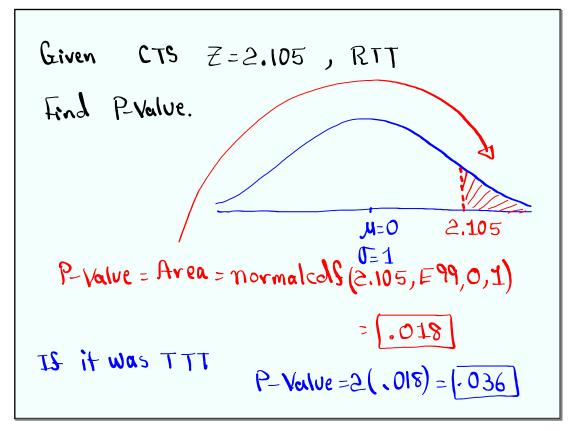
Feb 5-5:33 PM

Type I & II Errors Reality H. Valid H. install		
Reality Action	Ho valid	Ho invalid
Support Ho	Good Decision	type II ervor
Reject Ho	Type I error	Good Decision

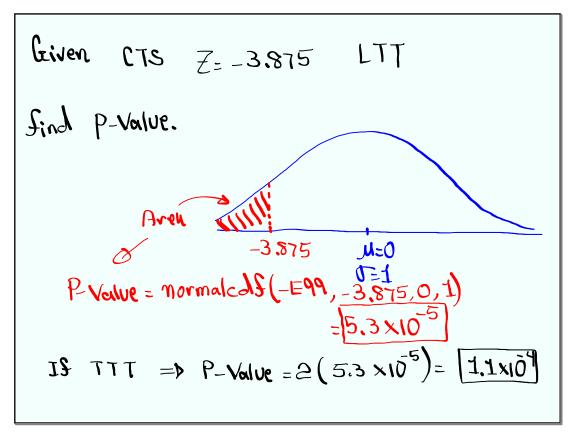
Feb 5-5:39 PM

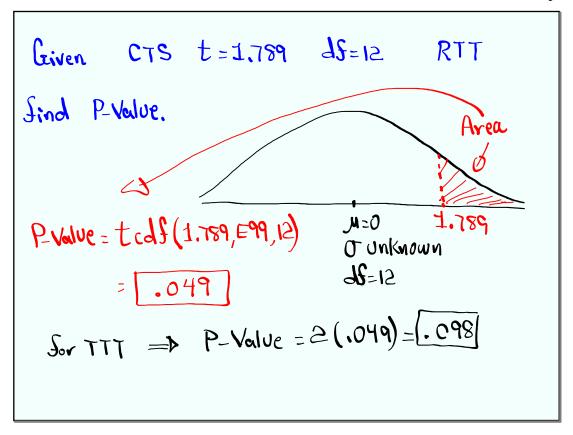


Feb 5-6:05 PM

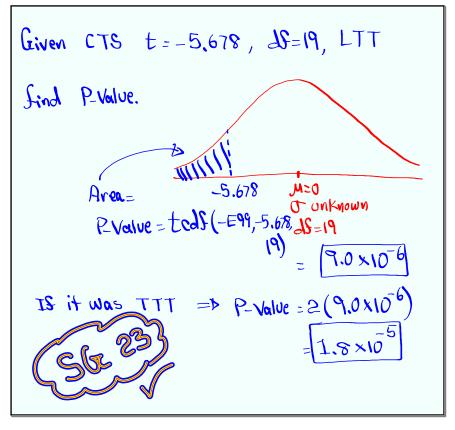


Feb 5-6:08 PM





Feb 5-6:14 PM



Feb 5-6:17 PM

```
Testing One Population Proportion P:

Ho: P=Po Ho: P&Po Ho: P&Po

Hi: P*Po Hi: P&Po Hi: P&Po

TTT RTT LTT

CV Z inuNorm

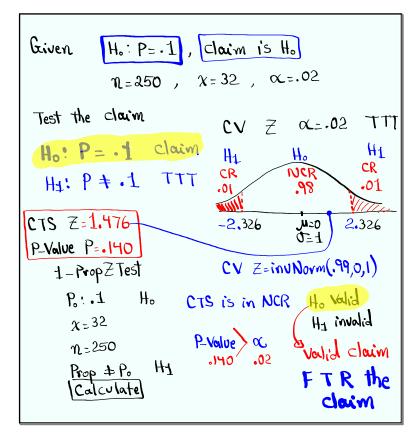
CTS Z 1-Prop Z Test
P-Value P

Use Testing chart to determine the Validity

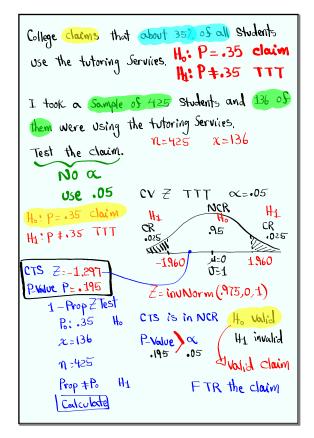
of Ho & Hi.

Draw final Conclusion about the claim.
```

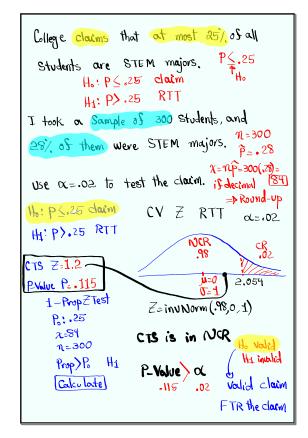
Feb 5-6:21 PM



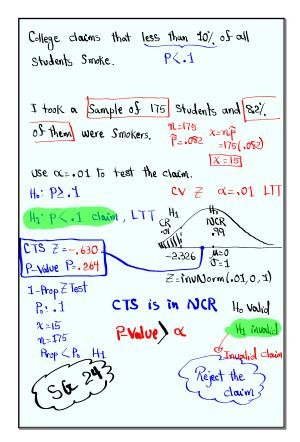
Feb 5-6:26 PM



Feb 5-6:38 PM



Feb 5-6:50 PM



Feb 5-7:02 PM