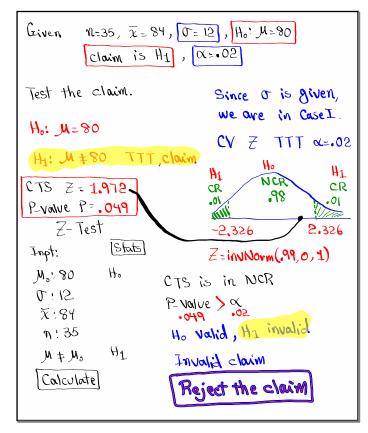
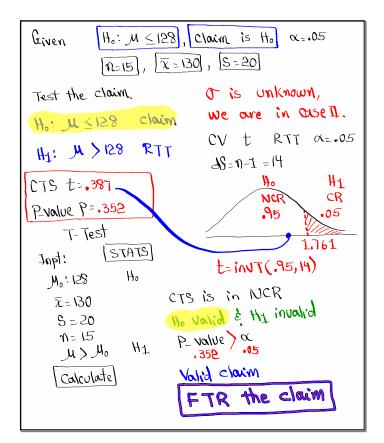
## Statistics Spring 2023 Lecture 49

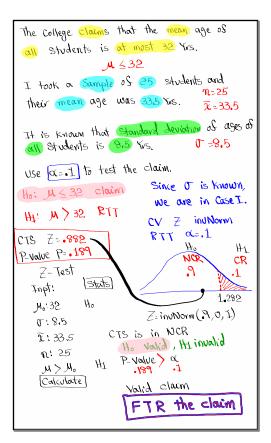
Feb 19-8:47 AM

Testing One Population Mean: $H_0: \mathcal{A} = \mathcal{H}_0$ $H_0: \mathcal{A} \ge \mathcal{A}_0$ $H_0: \mathcal{M} \le \mathcal{M}_0$ $H_1: \mathcal{M} \neq \mathcal{M}_0$ $H_1: \mathcal{M} > \mathcal{M}_0$ TTT $LT1$ $RTT$	
Always identisy the claim, and type of test.	
Case I: J Known	Case IL: O UNKnown
C.V. Z invNorm	CV. t invī H=n-1
Drawing , labeling, shading, TI command required	
CTS Z P-value P Z-Test	CTS t T-Test P-volve P T-Test
CTS Formula $Z = \frac{\overline{x} - M}{\sigma}$	
Jn TI→ Normalcdf	$\begin{array}{c} Jn \\ TI \rightarrow tchs, ds=n-1 \end{array}$
Use Testing Chart to Jetermine the Validity of Hoft.	
Draw final Conclusion for the claim	
<b>Reject the claim OR FTR the claim</b> when claim is invalid when claim is Valid	

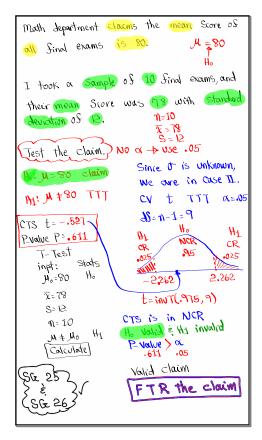


May 11-7:28 AM

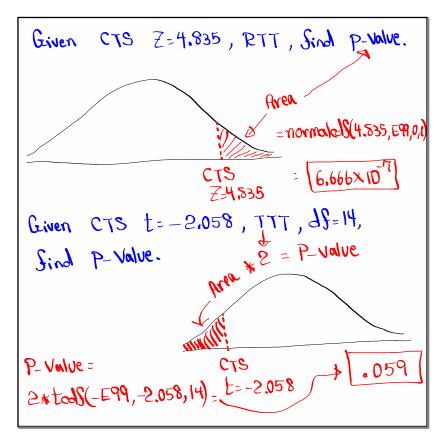




May 11-7:51 AM



May 11-8:06 AM



May 11-8:22 AM