Statistics
Spring 2023
Lecture 48

Feb 19-8:47 AM

SG 25

Testing one population Proportion:

$H_0: P = P_0$ | $H_1: P \neq P_0$ — TTT

$H_0: P \geq P_0$ | $H_1: P < P_0$ — LTT

$H_0: P \leq P_0$ | $H_1: P > P_0$ — RTT

Always identify the claim, and type of test.

Find all Critical Values Z.

Draw, label, shade, and TI command.

Find Computed Test Statistic (CTS) and P-Value(P).

1-PropZTest, $Z = \dfrac{\hat{P} - P}{\sqrt{\frac{PQ}{n}}}$

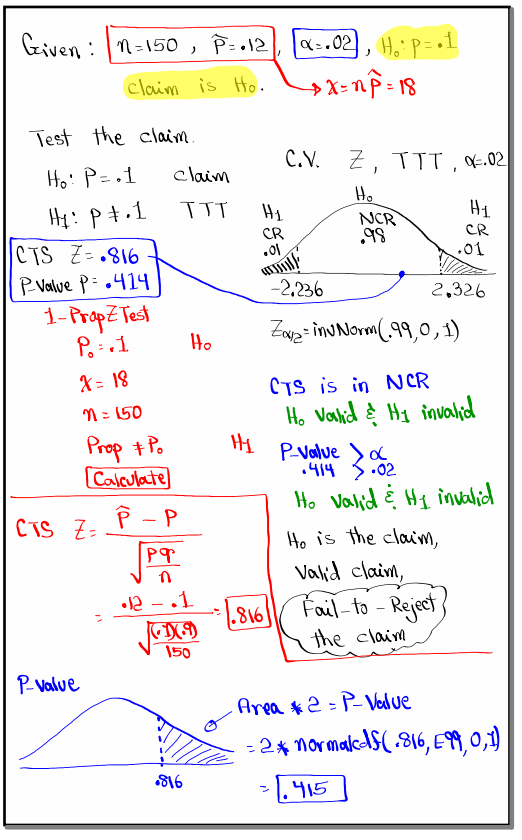
Use Testing Chart to determine the validity of H_0 & H_0.

Draw Final Conclusion for the claim.

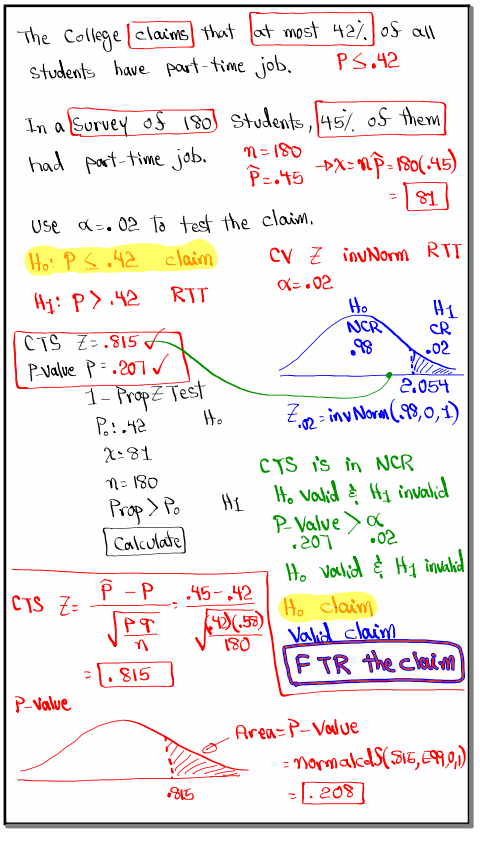
Reject the claim OR FTR the claim

(claim is invalid) (claim is Valid)

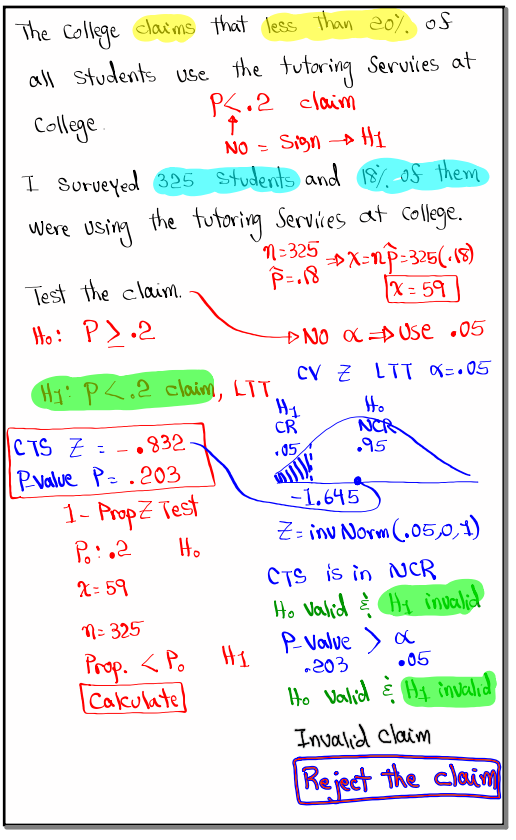
May 10-7:15 AM



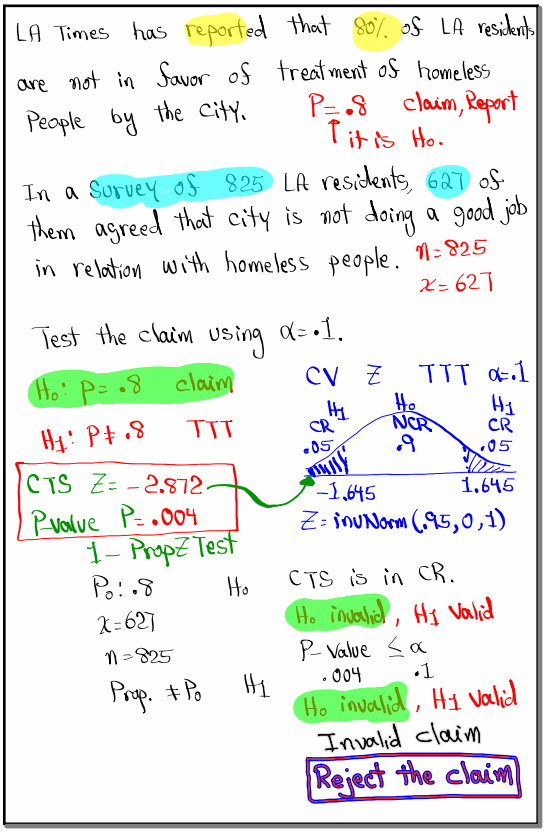
May 10-7:24 AM



May 10-7:40 AM

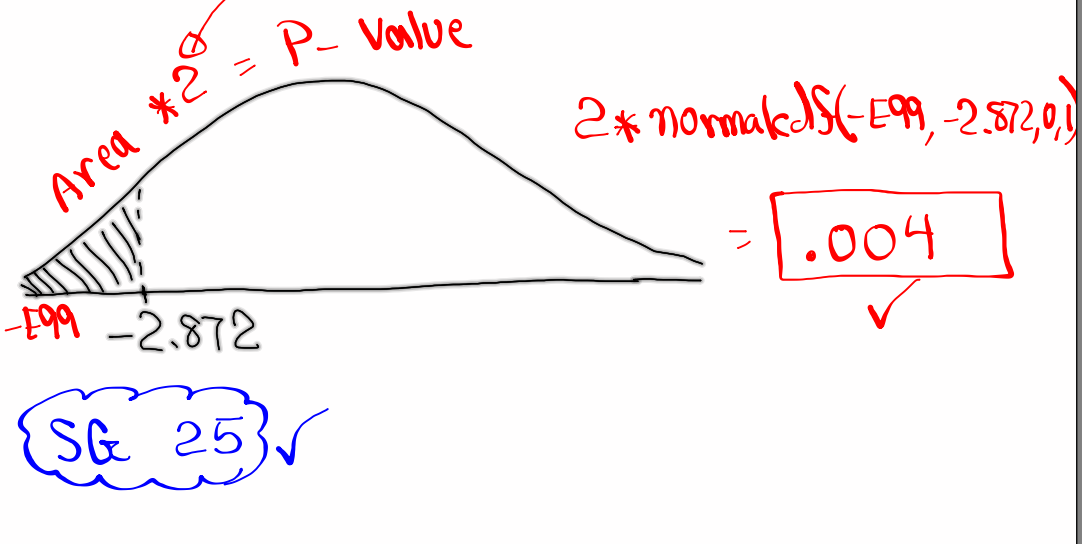


May 10-7:56 AM



May 10-8:10 AM

CTS $Z = -2.872$, TTT, find P-Value.



SG 25 ✓

May 10-8:25 AM