

Feb 19-8:47 AM
In a Survey of 450 LA residents, $72 \%$ of them were fan of LA Dodgers. $\begin{aligned} & n=450 \\ & \hat{p}=.72 \Rightarrow x=n \hat{p}=450(.72) \\ & \text { if decimal }=324\end{aligned}$
ESPN Claims that $75 \%$ of all LA residents are
fan of LA Dodgers. $P=.75$
Test this claim by using the Survey at $\alpha=.01$

If we choose $\alpha=.15, .16, .17, .18, \ldots$
then $P$-value $\leq \alpha$, therefore $H_{0}$ invalid
Invalid claim
Reject the
clarion


Dec 7-7:36 AM


$$
\begin{aligned}
& \text { 4) Test the claim that the mean of all exams } \\
& \text { is below } 90 \text {. }
\end{aligned}
$$

CTS is in NCR
P-value > $\alpha$
$t=\operatorname{inv} T(.05,11)$
$\Rightarrow H_{0}$ valid
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

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> Testing one Population standard deviation: SG 27)
> $\begin{gathered}H_{0}: \sigma=\sigma_{0} \\ H_{1}: \sigma \neq \sigma_{0} \\ T T T\end{gathered}\left\{\begin{array}{c}H_{0}: \sigma \leq \sigma_{0} \\ H_{1}: \sigma>\sigma_{0} \\ \text { ReT }\end{array}\left\{\begin{array}{l}H_{0}: \sigma \geq \sigma_{0} \\ H_{1}: \sigma<\sigma_{0} \\ \text { LaT }\end{array}\right.\right.$
> P-Valve method:
> $\operatorname{CTS} x_{\uparrow}^{2}=\frac{(n-1) \cdot s^{2}}{\sigma^{2}}$
> To find the $p$-value
> chi-Square
> vT $x^{2} d f(C T S, E 99, d f)$
> LT $x^{2} c d f(0, C T S, d f)$
> TTT Find area on both sides of cis $P$-value $=2 x$ Smaller Proceed with Testing chart $\dot{E}$, $P$-value method to determine the validity of $H_{0} \dot{\varepsilon} . H_{1}$ Draw Final Conclusion about the claim.

Dec 7-8:45 AM



Dec 7-9:01 AM


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Dec 7-9:26 AM

