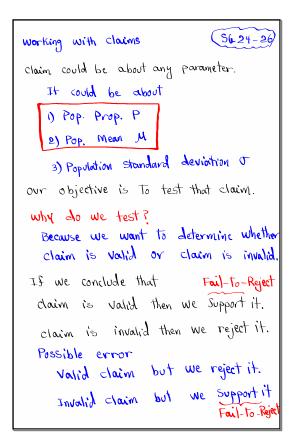
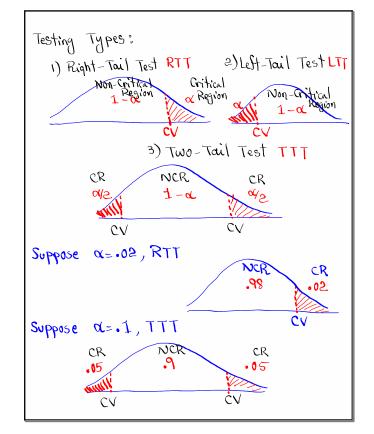


Feb 19-8:47 AM



with every testing, there is a number of oxax1 and it is called Significant level. If a not given => we use .05 Testing Methods: 1) Traditional Method Method 2) P- Value 3) Confidence interval Method Regardless of method used, Final Conclusion will be the Same. How To express final Conclusion claim is valid => Fail-to-Reject claim is invalid => Reject the claim Action valid Invalid FTR Support Error  $\checkmark$  $\checkmark$ Error Reject

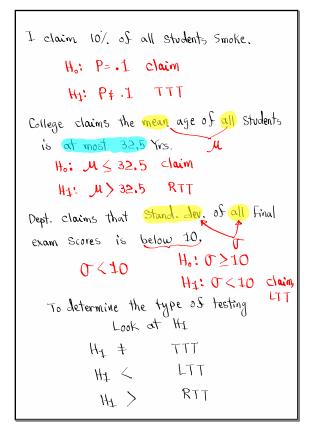
Feb 13-4:37 PM



Feb 13-4:46 PM

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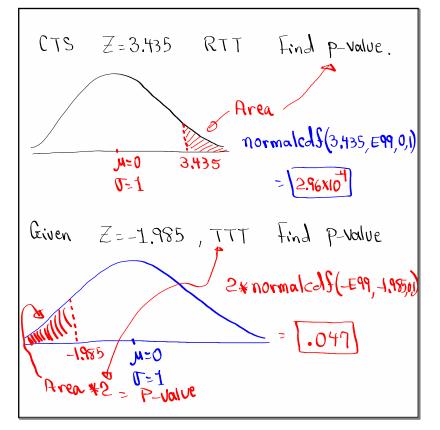
Feb 13-4:53 PM



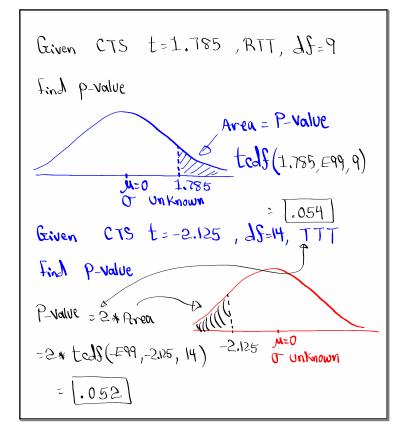
Feb 13-5:08 PM

what is p-value? P-value is the area of the tail marked by CTS. Only multiply by 2 if doing TTT. Area = P-Value CTS CTS Multiply by 2 when working with TTT

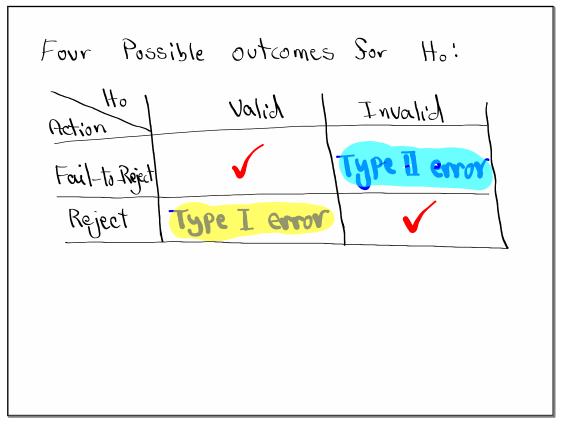
Feb 13-5:15 PM



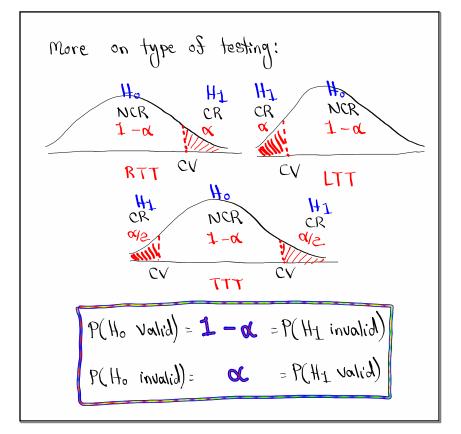
Feb 13-5:18 PM



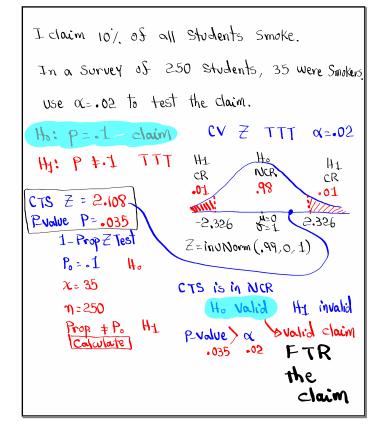
Feb 13-5:23 PM



Feb 13-5:29 PM

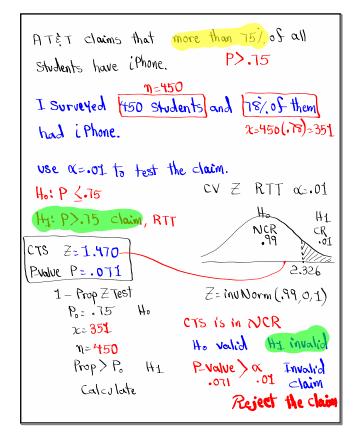


Feb 13-5:49 PM



I claim that at least 40% of all students work while going to school. SP2.4 X=.38(400)=152 N=400 In a Survey of 400 Students, 38% of them were working. claim Ho: P>.4  $H_1: P \leq .4$ LTT Test the claim, CRH1 H. NOX NCR .95 .05 Use 0x=.05 sull! H=0 -1.645 CTS Z = - .816 -P-Value P = . 207  $\mathcal{Z}$ =inuNorm(.05,0,1) 1- PropZTest CTS is in NCR Po = .4 H٥ Ho valid Hy invalid  $\chi = 152$ P-value > x > valid claim n=400 .207 .05 FTR Prop < P. H1 the. Calculate claim

Feb 13-6:05 PM



I claim that majority of SF 49ers fan lost a bet. P>.5 claim <u>1=175</u> <u>x=175(.52)=91</u> In a Survey of 175 Fans 52/, of them lost a bet. H₀: P≤.5 Hy: p>.5 claim, RTT Test the claim. CTS Z = .529 1-Prop Z Test P-Nalue P=.298 Po: .5 - NUSE &=.05  $\chi = 91$ P-Value & Ho Valid かいうう .298 .05 H1 invalid Prop>Po H1 Invalid claim Calculate Reject the claim

Feb 13-6:30 PM