



Want to test the Us. H, at the < - 0.035 significance laved = 1-4=0,975 cartisleme Note that -to define the rejection region here, wan to is the total well the to. 7-200 = 2959-3000 = -2,766 to ct > Refer to infavor of the Construct the t-start worder the Mall: Testa are from an appresimately normal distribution. No 30 & Use t-stat. Fail to result to it.

thanks of #, it. Regular (without Using CI) approach Suppose Ho: M=3 000, Hi: M<3,000, 7=2959, 5=39.1, N=8. to hypothesis tething =-2966 -ta=-2,365 Tare to => 100 > 2000 CNPhirthy

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+> 10 > 3000 ) in fauna r of H; 10 < 3000 at 2=0,0035.

Suen P(10 < 2991, 694)=0,995, H'S very whilehy trat

Suen P(10 < 2991, 694)=0,995, H'S very whilehy trat Mu. 74 = 7 + tas. 2959+2,365(39.1) Example - CIS and hypothesis HESTING to oastal 7 dif So (-00 2991, 694) is the 97,53 Upper one-sided CI for in That is, That is find the Qu (or Yu) such that P(M + Qu)= 1- d= 0.975 Use upper one-sided CI for M. CI approach: His M<Mo, So P(M < 2991,694)=0,975 Fartherson H. H. Teleut H. in Hander of H. Mu Mo=3,000 2460 = ja = 2991, 694

(A) The Hail where their rejection region is filps their regions test But fram) The 7+tust -te 7-72