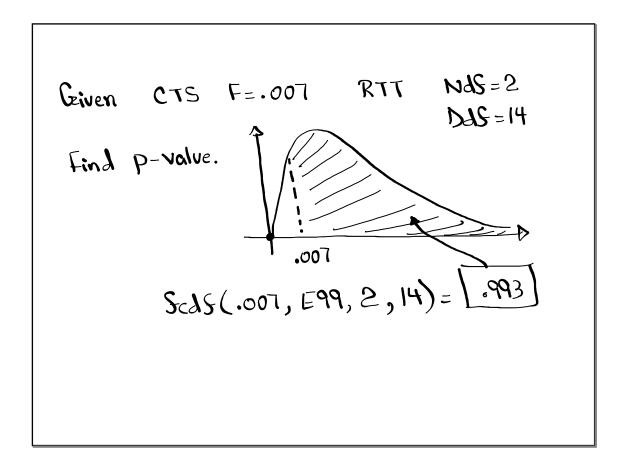
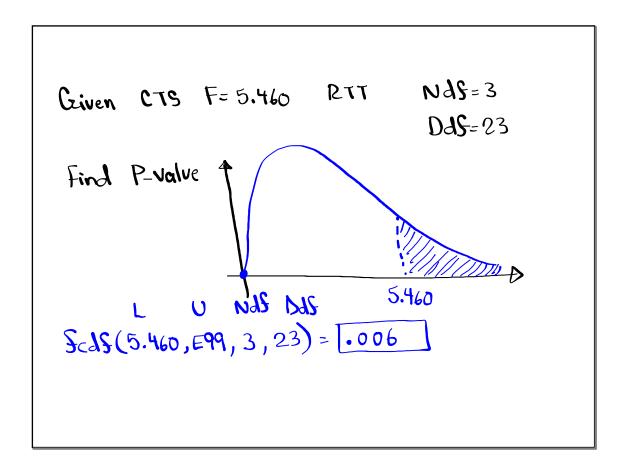


Morning | ASternoon | Night Use x=.1 to test 2ר 85 the claim that 75 83 74 79 92 68 70 86 90 92 All pop. means are 65 100 98 75 100 equal. ĽŽ 13 11 K=3 $H_0: M_1 = M_2 = M_3$ Claim N=5+6+6=17 Hz: at least one mean is different. RTT CTS F=.007 STAT Morning ->LI P-Value P= .993 TESTS ASternoon -+ L2 ANOVA (11, 12, 13 NJS=K-1=2 Night -> L3 Dd5=n-K=14 P-value > X => Ho valid => Valid claim Support the claim H₁ invalid (FTR the claim) (ANOVA => Analysis of Voriance.



Students were randomly selected Srom 4 difformt Schools. Here are their ages. Mt.SAC | Cal State LA | Cal Poly Pomona ELAC 35 17 21 28 38 42 23 32 27 36 45 23 39 50 39 51 29 25 25 26 30 20 55 28 42 30 14 18 Use x=.01 to test the claim that all pop. means K=4 ave equal. n=6+7+7+7=27 $H_0: M_1 = M_2 = M_3 = M_4$ Claim H1: At least one mean is different. RTT Ddf=++=3 Ddf=+++=p3 clear all lists STAT ELAC -> L'I TESTS Mt.SAC -> L2 Cal State LA -> L3 ANOVA(LI, L2, L3, L4) Enter Cal Poly Pomonia-214 CTS F = 5.460 P_value P=.006 P-value < x => Ito invalid => invalid claim => Reject the claim H1 Valid .006 .01



Same exam was given to 5-Different colleges.
Here are the results Sor randomly selected exams:

$$K=5$$

Srom each school.
 $ELAC$ Mt. SAC chaffer/ PCC Gelendale
 84 75 80 78 72 78 80 70 66 79 84
90 65 90 68 85 95 90 00 96 99
 $L00$ 5 L4 L3 L2 L1
Test the claim that not all pop. means are equal.
 $H_0: M_1 = M_2 = M_3 = M_4 = M_5$
 $M_1: At least one pop. mean is different. RTT, claim
CTS F = .048 P-Value $\lambda \propto$
 $P-Value P = .995$
STAT Invalid claim
 $Right claim$ Reject the claim$

