Probability & STATES

Assignment # 3 S.M.

RSF. n, -Un, = 6.5-6=0.5 $-0_{4a} = \frac{0.81 + 0.64 = 0.189}{36 Uq}$ 2 > 2.65)= 1-0.9960

ALB/B/AA

Normal Thed Clapplied. 2. Mean and Sol using Cal. N=10 S=0.283 - [hence t-test to be used] 95% confidence interval (x=005 1100(1-d)=951/0/1-d= (x=0.5) 71-tys Stn Lul 1+tx/35 = tay & = to.025,6 = 20445 0-2.447/0.283 10+2.447/0.283 9.74 64 610026

ALBA

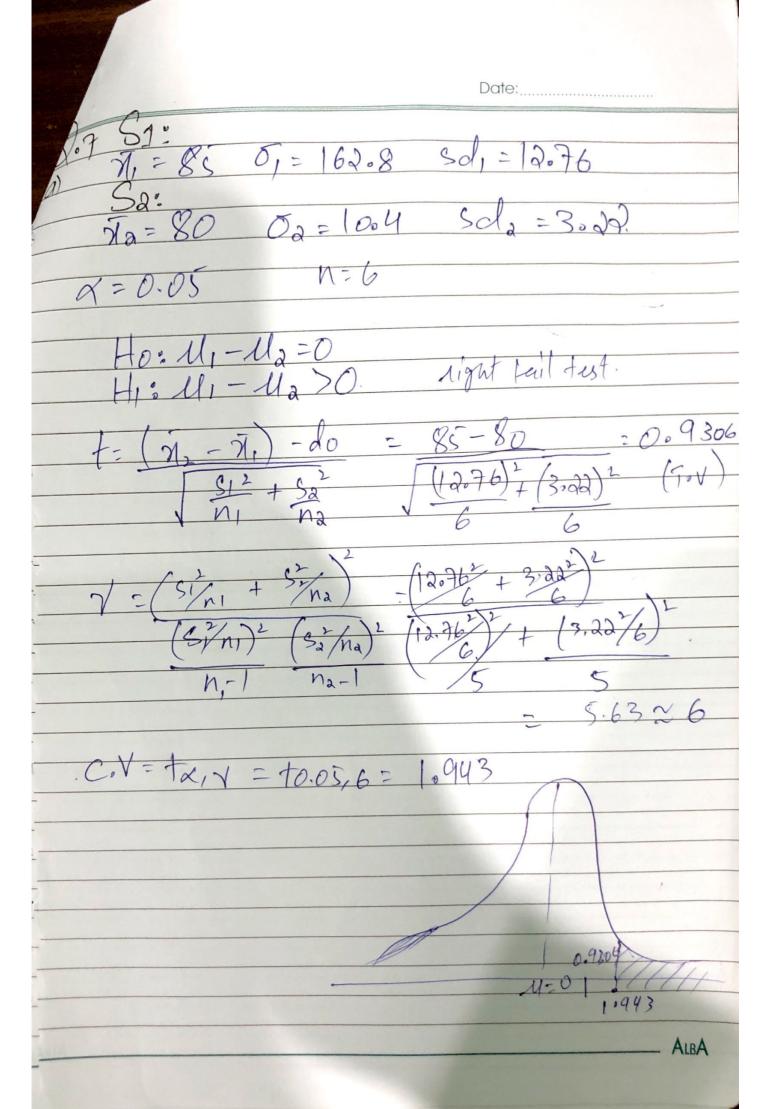
3 x = 0.29 S=0.074 99% considence ty, v = to.05,17 = 10740 7- tx 5/2 Lu Ly+tx,5/2 0029-10740×(0.074) 0.29+10740/0.074 0026 2 11 6 0032

AIR

Date:	
1.4 S1: N=15 N=3.84 S=3.07	1. E. E.
S2: n2=12 N2=1049 S=0080.	1 1 1
12=12 No=1049 5-0080. 15.1. confidence interval. M1-M2.	
$V = \frac{\left(\frac{3.07}{12} + 0.80\right)^{2}}{\left(\frac{3.07}{12}\right)^{4}} = \frac{16}{12}$	13.
7, - 7/3 = 3-84-1049222-35	
1-2=0.95 / 2=0.5	-
CoV = tx, v = t(0.025,16) = 20/20.	
T-togs of 2 UL T+togs of	
2.35-2.120 /3.07+0.80° (M1-U2)	
2.35+2.120 3.07 + 0.802	
0.60 LU1-12 L4010	
ALBA	

> Test or single = Ho.075, 11 T.V lies outside critical legion so do Legist ho. Which means that avg no of Kwh of Vaccum is less than 46 ALEAB!

7 Pfelence Date:.... $\frac{11-85}{12-81}$ $\frac{1}{32-5}$ $\frac{1}{12-10}$ $\frac{1}{12-10}$ $\frac{1}{12-10}$ $\frac{1}{12-10}$ sp=(n1-1)si+(na-1)sat = 1/n, + 1/12 40477 CoV = TX, V) = +6.05,20) = 10725 annot conclude that absensive wear of Moderal I excepts Material 2 ALBA



> Independent (61=62) Ho: U2-U1-8 Ho: U2-U1-8 Light fail fest 7=85 X = 0.05 $\frac{8p}{(n_1-1)s_1^2 + (n_2-1)s_2^2} = 10(85)^2 + (16)$ +- (Na-Mi)-do = (85-79) SP / h. + h. 5.603 /2+/11 +=-0.922 -> ToV CoV = tax = to.05, 26 = 10706 (from table) riole the critical reflect degion regect to. No 10706 Which means that I semester houl course with labs will not increase the avg grade