

(18-24) - 1.96  $\frac{3^2+3^2}{20}$  < × < (18-24) +  $\frac{1.96}{3^2+3^2}$ -7.859 EX 5-6.140  $H_1$ :  $\mu_1 \neq \mu_2$   $\eta_1 = 10$   $\eta_2 = 10$   $\eta_1 = 3.8$   $\chi_2 = 5.6$   $\chi_1^2 = 9$ Mo: 41=42 10-18 HI HIFHZ (a) Since  $61^{2} = 62^{2}$  (M)  $m_1 + n_2 - 2 = 18$ 52 85 = t 0:025 ,18 = 2-101 5) 9 = 9  $S_p^2 = \frac{(n-1)}{5n^2} + \frac{(n_2-1)}{5n^2} = \frac{9 \times 4 + 9 \times 9}{10}$ 1021 Inaggrasp = 6.5=02:569 morn 2: 1000  $T_0 = \frac{x_1 - x_2 - (\mu_1 - \mu_2)}{sp \int_{n_1}^{1} + \frac{1}{n_2}} = \frac{7.8 - 5.6}{2.55 \int_{10}^{2}}$ Now Tal. 93 is between to. ors, 18 6 con say part 0.025 cp < 0.05

Since g-value is not less than 0.025 we can origin the alternative H1 & accept to b) \$1-\$2-to-025,18 Sp \ \frac{1}{n\_1} \frac{1}{n\_2} < \mu\_1 - \mu\_2 \le \frac{1}{n\_1} - \mu\_2 \le \frac{1}{n\_1} \frac{1}{n\_2} \le \mu\_1 - \mu\_2 \le \frac{1}{n\_1} \le \mu\_1 - \mu\_2 \le \mu\_1  $t_{0.025,18}$   $sp \int \frac{1}{n_1} + \frac{1}{n_2} + (F_1 + F_2)$  $= \frac{1}{2 \cdot 8 - 5 \cdot 6} - \frac{2 \cdot 101}{2 \cdot 10} \left(\frac{2}{10}\right) \left(\frac{2 \cdot 55}{10}\right) = \frac{1}{10} - \frac{12}{10} \left(\frac{12}{10}\right) \left(\frac{12}{10}\right) \left(\frac{12}{10}\right) \left(\frac{12}{10}\right) \left(\frac{12}{10}\right) = \frac{1}{10} - \frac{1}{10} = \frac{1}{$ Since 0 is between -0.195 & 4.595, we cannot Calculate the differences between the two samples: 36925-134318 = 2607 Ho: M. = M2 45300-42280=3620 HI: M. FUZ N=8 36240-35500=740 3210- 38015=-805 20.0 4,8360-47800-500 38200 -37810 =390 mun= 2607+3020+940+150-805 33500-33245-25 whod + 506 +390+285 = 868.37 Sd= [12607-868:37]+ ... + (285-868.37)

5.0.5	mSd= 1290.03 m 2 move sonie	
allept	since proper is not the season's the	
	t x/2 > n-1 => to.005,7 = 3.499	The state of the s
	N 7 - 61	
	7-64/2 sd = 868.37 -3.499 x 1290.63	
+ (x14/2)		
	= -727.503	
(9.5-8.E) S	-M-14d+ Exp. sd = 868.39 + 3-499 x 1290.03	
	+ 1000 (200) (200) + 10 mm	
	221 (1 0 6	
ce count	-26p66. 253	
	Since the intervals contain 0, neither of	
	the brands is better.	
5	5-51 Calculate the differences between the the	2
	Ryut 11 4 accept 110. whomas	
DAS = 818481-	36928	
10-68	300 M 210	
00 = 300	- WS 7 92 = 5.8	a manager processed in the Spirite of
38015 - 7805		
the same of the sa	- OOE X = 0.05	
37810 >390	0015E	
3376278	the somples:	balk
	The samples: 385+006+	ram ng Katananana sa tang at paganah
	Mo: 612=622	
	41: 6,2 F & L	
	The second secon	
	(ME & SIZ = 167 = 0.867 ) NO	Company of the Compan
and an all the second	5:50	The state of the s
igatika ja sassatutat ja kilos artistat opa ja alkaya aksi vasta da ette ette ette ette ette ette ette	52	traffice construction and the second
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dof = 16-1=15 15,9 fo. 625,9,15 = 3.77 = 0.265 3.77 6.265 S F 5 3.12. 6.265 < 0.657 < 3.12 Failed to right 40. ... There is not enough evidence to conclude that the two population variance differ.