Stats Homework 5 Date 20	
Ali Mulieumed Asad an 07/90	Y S
= @10·1)(a) Ho K - K - C	
Hai Mi-Ha EU - Sciula tar	
1 231 3 6, 25 C W2232 X2 253.2 6 226	0
$\frac{2}{2} = \frac{2 \cdot (51.3 - 53.2)}{52/31 + 60/32} = -1.0081$	-
Sa 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
Since 2> 2d , we fail to	
The state of the s	
(b) Critical Values: (x,-x2) = (5) 550 - 21 / 52/31 + 52	
$(\bar{\chi}_1 - \bar{\chi}_2)_{C2} - 2.416$	
(c) p-value 2 P(2<-1.008) = 0.156	
P10.3) @ 6? = 22.74 62 = 26.65 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	56
Ho: K1-K220 H: K-K- tO = 21.11 dy = 0.01	
Td12 2 = 2.3263 Expa 2. 286.23 7. 281.200	
1 1 2 2 3 · 1 3 1 2 3 · 1 3 1 3	
= 200 > 2012 -> reject Ho! = (b) (2,-12)-2/4 + 5	
4.049 = M-M2 = 10.02	
We are at 98% confidence that the adval differe	
in mean is between 4.049 & 10.02. Therefore, it	
auit be 0, thus we rejected our hipsthis.	
Pin(s) = 50	
P10.5) 72,25.3 6221.99 4240 2626.5 6622.36 4237	
CI 295% 020.05 20, 21.96 (\$ 5.3 -6.5) - 1.96 \ 40 + 37 \ \ M_2 \ (5.3-6.5) + 196 \ 40 + 37	-36
-1.8601 EM, -M2 = -0.5396	34
P PAPER PRODUCTS	
그는 하는 사람이 하는 하는 이 경우 취하면서 하는 것을 하면 생각을 모든 사람이 하는 것을 다고 있다면 하는 것이 되었다. 그는 사람들이 없는 것은 사람들이 없다.	1

P10·11) Ho: MM2 20 Ha: M1-M2 CO	
U, 28 2, 224.56 S, 212.4 W, 211 2, 226.42 S2215.8	
20.01 02 Si2(4,-1)+52(42-1) = 3.7947	
to, Wither = 2. 5669	
$t_{est 2} (x_1 - x_2) = -1.06$	
5 N 14 - 42	
test 2 $(x,-x_2)$ = -1.06 $\sigma \sqrt{\frac{1}{m}-\frac{1}{m_2}}$ Since test c to, $d\rho$, we reject t c	
Si 2 4500	
P10.15) 4221 X2\$122000 Deale Fee 422 26 7/2 141500 5/2 14400	
(a) decor 20.1 21220.05 des 21+26-22 45	
Tay 1 of 2 = 1.6794 Or SI (21-1) + SI (26-1) Z 10000000000000000000000000000000000	
(107) 0000-145002-16394 N	
(122000-141500) -1.6794 () 11 - 42 (122000-141500) + (A) 11-53	E IN
-26617 5 M M2 = 12383	
(b) test 2 (122000-141500)/(8)1,-5)	
test 2 - 4.5978	
test < taizedf so un reject Ho!	1 (9
P10-21) Ho: D20 Ha: D>D 020.01	100
Sample 1: 38 27 30 41 36 38 33 35 44	
Simple 2: 22 28 21 38 38 26 19 31 35	
d. 16-1 9 3-2 12 14 4 9	
tanton Que de uza dez u-128	
ta, of 2 2.8965 toe d 2 7.111 sd 26.4507	
tz J-D/5 => tz 7.11/(6.4507/59) z 3.31	20.00
	C SP LIN
sine t>tadf, ve reject 16?	1
With the second	
tardf	
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PAPER PRODUCTS	

7	
M	
7	Date20
BB	
7	P10-25) will 220.01 2/220.005 df210
	toe ton, of 2 3.1693 dz 1302.8 sd 2 4938.2
	d-t(sd/m)cD = d+t(sd/sn)
San San San	1302.8 - 3.1693 (4938.2) ED = 1302.8 + 3.1693 (4938.2)
	-3416.0 ED = 6021.6
1.6	Description of the state of the
-0	P10.31) 4,2368 x,2175 422405 x22182 220.05
3	(d) Ho: Pi-Pz ZO Ha: Pi-Pz ZO
-	8 ×122 0.025 Za12 Z±1.96 P2 x1+x2 2 0.4618
	P, z u, 204755 P22 4220.4494 921-p20.5382
1	Z2 (ρ,-ρ2)-D 2 0.73
J.N	NP×9×(4+42)
11 () () () () () () ()	E CZavz → Pail to voject Ho! Tel 1
a significant	
Constant of the Constant of th	(b) H3: P1-P2=0 Ha: R-P2>0 Zd21.6449
	fail to reject Ho!
	P10.37) 0201 4,2780 P,20.09 422915 P220.06
1	Ho: Pi-P220 Ha: Pi-P2 70 Zd12 221-6449
	p2 M1P1+ M2P2/M1+M2 = 0.0738 q21-p20.9262
- Alboli	2 2 0.09 - 0.06 2 0 2.3545
	$\sqrt{p} \times q \times (t_1 + t_2)$
	Since Z > Edyz, right Ho! Edyz Boyz
110	
TIC	
110	
3	
2	
9	
Town Manual Street	

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P10-39) Ho: 6,262 Ha: 6,262 d20.0) u, 210 u, 211 5,2 2562 5,2 21013 F252/522 562/1013 L 0.5548 V, 29 V2210 Faritial 2 4.94. Since F CFC, fail to reject Ho! P10.41) 0120.01 4,210 4,210 0,29 0,29 5,20.0023 F2 56,22 0.8123 100 fuer, 99 26.5411 fla, 99 2 0.1529 Sina fe & F Efu, fail to riged Ho! 1