$$\frac{7}{288} = \frac{7 - 14}{100}$$

$$= \frac{195 \cdot 1125 - 200}{5 / \sqrt{8}}$$

$$= -0.5026$$

Null accepted : The mean breaking strength of the fibre is not less than the target P_ value: P(Z) X-0.5020)

$$= (0.502)$$

$$= (0.502)$$

$$= (0.502)$$

$$= (0.502)$$

$$= (0.502)$$

$$S_{D} = \frac{200(210-199.1125) + (198-199.1125) + (195-199.1125)^{2}}{8-1}$$

$$2095 = 1.695$$

$$> \frac{7}{5/\sqrt{50}} = 1.695$$

$$P(X > 76.163) | H = 77)$$

$$= P(Z) = 76.163 - 77$$

$$= P(Z) = 1.1836)$$

$$= | (2) - 1.1836)$$

= $| - 9 (-1.1836)$
= $| - 9 (-1.1836)$
= 0.4810

7 7 7

8 = 0.09 文=11.79 下=11.98升 d = 0.13

M M = M2 M, 7 M2

-1.96

1-5-67 1.96

0.005

Zobs = 0/5n

11.76-11.9875 0.83/1+1

= -5.7498

Zobs < 20.025

.: Null riejected.

: Yes I can reject the claim that two lakes are equally contaminated. 5) M=ML X = 55700 = 58400 Sp, = 2200 100 =+.753 1.637 = 2). Sp = 2302.1728 Sp = (n-1)5/2 + (m-1) 5/2 tobs = 59700 - 58400 Sp/ (20) + 1 = 59700 - 58400 = 1.5971 to to 05, 30 < + 063 tobe \$ 10.05,30 / tobs to.05,30 / tobs . Prof. · claim 1) but correct

May 10

$$= 2.75$$

$$S_{p} = 2.75^{-1}(1-2.75)^{-1}(1-2.75)^{-1}$$

37.5285 26.1586

to.o25 < tobs < to-575 Null accepted

£0.9951 2.365

17/48/ET 19/48/ET De connot conclude that effect on the pulse Jogsing has had an rate 3~70.0 €= 0.01 870.01 Nov. the statistics Xobs (n-1) 5 = (0.1) ~ = 36.08) = 36.72 31.71 ₹0.9,49 = 3\$.89 √065 < ×1.1, 45 halos should n't dis continued. Hun Accepted,

8) p= 0.72 470.72 = 92 - 50×0.72 V 50×0.72 (1-0.71) 2015 Nmp (1-19) 21.8898 20.05 = 1.695 1.64) 200 6 7 8. 20.05 mull rejected The drug is more effective

15110 = 21-0:9629

7 0-6907

		T 9	x-x	Y-7	(n-71)	(Y-P)
		+	-1.67	-0.0185	2.7889	03.421x164
1		++	-0.67	_ 0.0085	0.110)	7.22×165
				-0.0035		1.22×165
	0.17	7	0.33	0.0035		1.22×155
			0.83	0.0115		1.322× 15+
4	-	-	1.33	0.0155	1.7685	2.4×15+N
16tal		1	-0.02	0	5.8321	0.008113
	2 2.5 3 3.5 4	2 6.03 8/3 2.5 0.035 2.6 3 6.092 3.5 0.05 4 0.059	2 6.03 % 0.0385 2.5 0.035 2.67 3 6.092 3.5 0.05	X Y X Y X X 1 0.02 -1.67 2 6.03 8/3 0.0385 -0.67 2.5 0.035 2.67 -0.17 3 0.042 0.33 3.5 0.05 6.83 4 0.059 1.33 -0.07 -0.07	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

を(アー下)(アー・ア)=

ER-5) (Y-F) = 0.0685

0.005695 0.005695 0.00595 0.00595 0.00595 0.00595

$$\beta = \frac{0.0695}{5.8334} = 0.011742$$

$$\hat{x} = \hat{y} - \hat{\beta} \hat{x} = 0.0385 - \frac{8}{3} \times 0.011712$$

$$= 0.007187$$

$$\bar{Y} = \hat{\alpha} + \hat{\beta} \bar{\lambda}$$
 $\bar{\gamma} = 0.011790$
 $\bar{\gamma} = 0.011790$
 $\bar{\gamma} = 0.011790$

$$3 = \frac{SSe}{S}$$

$$\delta = \frac{SSe}{2n-2}$$

$$SS_{\hat{\epsilon}} = \sum (\hat{Y}_i - \hat{x} - \hat{\beta} x_i)$$

$$\frac{6-6}{\sqrt{1.778}} = \frac{0.011741}{\sqrt{1.778}}$$

$$\frac{5-6}{\sqrt{1.778}} = \frac{0.011741}{\sqrt{1.778}}$$

$$\frac{5-6}{\sqrt{1.778}} = \frac{21.2645}{\sqrt{2.57}}$$

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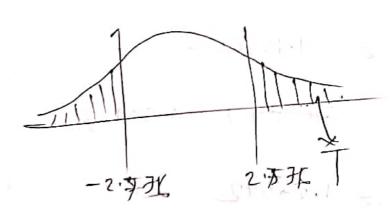
$$\frac{5-6}{\sqrt{1.778}} = \frac{21.2645}{\sqrt{2.579}}$$

$$\frac{5-6}{\sqrt{2.579}} = \frac{2.776}{\sqrt{2.579}}$$

$$\frac{5-6}{\sqrt{2.579}} = \frac{2.776}{\sqrt{2.579}}$$

$$\frac{5-6}{\sqrt{2.579}} = \frac{2.776}{\sqrt{2.579}}$$

$$\frac{5-6}{\sqrt{2.579}} = \frac{2.776}{\sqrt{2.579}}$$



Tobs > + 0.075,5 .: Null rejected 1 BZO.

$$P = 1 - \frac{55e}{55y}$$

$$= 1 - \frac{7 \cdot 114(\times 10^{12})}{0.00009115}$$

$$= 0.9920123$$

$$= 0.007182$$

$$= 0.007182$$

$$= 0.001742$$

$$= \frac{7i - 62 - 15ni}{55e/(n-2)} = \frac{0.001333}{0.001333}$$

$$= 2 - 0.199624$$

$$= 2 - 0.199624$$

$$= 3 = 1.29392$$

$$= 3 = 1.29392$$

$$= 3 = 2 - 0.10952$$



E(x-1/2) (y-y)

\[\sum_{\infty}^{\infty} \sum_{\infty}^{\infty} \sum_{\infty}^{\infty} \left[\frac{\xi(y-\vec{y})^{\infty}}{\sum_{\infty}^{\infty}} \left[\frac{\xi(y-\vec{y})^{\infty} (0) 21-0.0085 V5.8334 VO.0048\$15 2 0.9956 ~~= 0.9912 = R

$$109 T = 109 t + (-n logs)$$

$$Y = log T - 0 log e T$$

$$B = \frac{\sum (y-\overline{y})(n-\overline{n})}{\sum (n-\overline{n})^n}$$

1 1 - 1	1 -	4	(2.15) -4	-1/1	1 12	1, =1	4
TY	2	Y-7	n-1	(Y-5) (F)	(Y-Y)~	(X-3)	
3:109	0	0.271	-3	-0.817		9	Γ
3.0587		0.221	-2	- 0 .992	4 K.	4	
2.5806	2	0.14)	-1	-0.143		V	
2.747	3	-0.09	0	0	5	0	
2.721	4	-0.110	1	-0.116			-
2.6318	5	-0.205	2	-0.91		9	
2.6173	5	-0.22	3		E(Y-Y)4	/ 1	
total		2(7-5)	E (4-1)	- 2.3		28	
		13 0 gran	1	=	, , ,		

H1: 82 < 0.01

Now, the statistics $\chi_{c}^{2} = \frac{(n-1)s^{2}}{\sigma^{2}} = 31.36$

 $\frac{1}{20.9} = \frac{1}{26.818}$ $\frac{1}{20.9,49} = \frac{1}{26.818}$

X < X 20.0, 49

Xc is in Rejection region

.: Null hypothesis is recjected

.: The system should not be discontinued

Hi: Two distributions are literal

My: Two distributions are different

T = 57

 $P(T) = h = \frac{n(n+n+1)}{2} = \frac{7(6+7+1)}{2}$ $V(T) = d^{2} = \frac{mn(n+n+1)}{12} = \frac{7 \times 6 \times 11}{12} = 49$

T > M f-value = 2 (1-P(T-M)/d) = 2 (1-P(1.428)) = 2 (1-0.9222)

20.1555

0.05 < p-value

Now accepted.

-1 Toutoles and harms are not different in reacing.

1 For factor A. Ho! All or, are equal from 1/2 = hz HI: All do are not equal for factor B. 11 7 H = M= My = Mg 4: At least two men are not equal $SS_{A} = n \sum_{i=1}^{r} (Y_{i}, -Y_{i}) \qquad \overline{Y}_{i} = \frac{1.35 + 1.48 + 1.04 + 0.54}{4}$ = 4x (1.4133-1.297) \ \ = 1.2775 = 4 (1.1) -1.2775) + (1.2775 -1.2775) +(1.425-1.2775)~} 2 0.17405 55 B = m = (Y.; -Y)~

101

 $=3\times$ (0.413)-1.2745) <math>=1.2745+ (1.273) - 1.2735 + (1.29 - 1-2725)+ (1.1833-

20.08621

55-= = = (Mi-T) 2 100 0.28 29V - SST -SSA-SSB = 0.022165 554/4-1) 55E//(~~1)(~~1)) 23.557

.: Null respected Decepted.

Ho: Smaking has no effect or hyportonolon Mir Smokins has effect on hyperitarism

4-1	. has a	17 4.6.1	
Mir Smith	11 100	No hypertenden	Actal
class	Hypenhenda	50	70
Non-smoker	(33.26)	(36.74)	
	36	27	1 65
Moderade Som Kas	(30 88)	(34.21)	16
Heavy	28	(24.19	1 75
constant	(21.86)	95	181
-total	46		

$$\chi'' = \sum_{i=1}^{r} \sum_{j=1}^{r} \left(O_{ij} - E_{ij} \right) Z(U)$$

.. Null trajected.

-i Souking has effect on hyperstension.

.; An Individual having hypertensia is not independent of how much that person smokey

ᆀ

4-19

$$V = \sum_{i=1}^{n} I_i = 13$$

$$V = \sum_{i=1}^{2} \frac{1}{i} = \sum_{i=1}^{2} \frac{1}$$

H1: m <0

$$E(T-) = \frac{n(n+1)}{9} = \frac{16 \times 19}{9} = 285.5$$

$$V(T-) = \frac{n(n+1)(2n+1)}{2q} = 527.25$$

$$= p(T-H) > \frac{148-95.57}{1527.25}$$

$$= 17 p(2.721)$$

=1-09967 =0.0033 .: We can't respect rule.

의

Treeatment group roomk; 19 24 (31) 36 (39) 14 (15) (17) 19 52 13 19 12 60 40: Two distrabutions area identical Hi. Two distrabutions are different. T=1+3+5+7+8+13+14+15 $E(T) = \mu = \frac{n(m+n+1)}{2} = \frac{6(15+1)}{2} = 64$ $V(T) = 6^{2} = \frac{mn(m+n+1)}{12.n} = \frac{224}{3}$ P= 2 (1- 9 (T-4/8)) p = () $= 2 \times (1 - 9(0.231)$ fo.05 = 5109 = 0-5-000 2× (1-0.5910) 1005 0.05 (P

. Null Figured, Accepted,

. The attides have not as had any effect.

Let the value less than mean be replaced by a pares greater values by 1.

Now quality Levels: 000 00000 11111000 11110101

Ho: Dala are a transform sample

HI: Data are not a reandom somple

E(R) = A = 1m+n + 1 R = 10

= 13.4

V(R) = 0 = (H-1) (M-2) = 5.0606

R < H

P = 29 ((R-M)/d) =29 (-1.4213) = 2×0.0778 = 0.1556

10.05

₽ 0.05 < P

.: Null rejected Accepted i Data are de Francism sample from a population

377.799 n 40 30.1001/

395.616 20.6

21.3126