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X	$(x-\bar{x})$	$(x-\overline{z})^2$	
1 112	X-97.2		
70	-27.2	739 . 84	
120	22.8/-	519.84	
110	12.8	163. 84	
101	3.8	14.44	
88	- 9.2	84.64	
83	-14.2	201.64	
95	-2.2	Name 10 4.84 14	
98	N = 50.8	0.64	
107	9.8	96.04	
100	2.8	7.84	. ,
972	act by Sale	$\mathbb{Z}_{1=1}^{n}(x_{1}^{n}-\bar{x})^{2}=1833.60$	F

Here
$$n=10$$
, $\bar{x}=1$ $\leq \frac{n}{1}$ $q_0=\frac{1}{10}(972)=97.2$

$$3^{2} = \frac{1}{n-1} \sum_{i=1}^{n} (x_{i}^{2} - \overline{x})^{2}$$

$$t = \bar{2} - \mu - 972 - 100 = -2.8 = -2.8 = 0.62$$

 $8/\sqrt{5}$ 14.27/ $\sqrt{5}$ 6 14.27/3.16 4.515

$$|t| = 0.62$$

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	The	cecitical va	lue for the	for	a two taile	dat	
					10-1=9 de		
			is 2,26		.0	O	
		D	vitations.	LKH.	de asidaka	3,00	
	Calu	clased value	= 0-62	an	d Tabulated	value = 2.26	
11-0					ue then a		
			2.26 acep			V	
	<u> </u>	11 + 11 ×	1484 = 4		1 2 -	3 -	
		& & ,	۲ ا		. 0		
94.	No	first ca	Laulote Xi	and	X2 etc.		
·		2	P-0		. ė. ė.		
	Food A				Food B		
,	×,	d,= 2,-51	d=(21-51)2	X2	d2= X2-53	$d_2^2 = (x_2 - 53)^2$	
	49	-2	4	52	-1	1	
	53	20.0	= > 4 = 000	55	110.22 1	4 77	
	51	0	0	52	-1	1	
YUT	52	Osk 100	t (1 pulos	43/	- Obd On	ASO OVI	
2 +	47	1-400	e 160ell	50	3	9	
	50	-1	1	54	1	1	
	52	T1 - 1 + 4	1 20 d 1191	54	4011 001	1901 100	
	53	2 2 min	1 SI4101 00	53	on 0,4000	95 0	
	. (.	2 +51 64 6	31 00	dia	13 - 1) 1/40 .	17	

 $\frac{x_{1} = \alpha + 2d_{1}^{2} = 51 + -1 = 50.875}{2(x_{1} - \overline{x})^{2} = 2d_{1}^{2} - (2d_{1})^{2} = 30.875}$ $\frac{x_{1} = \alpha + 2d_{1}^{2} = 21 - (-1)^{2} = 30.875}{2}$ and $\frac{x_{2} = \alpha + 2d_{1}^{2} = 52 - 1 = 52.875}{2}$ $\frac{x_{3} = 30.875}{2}$ $\frac{x_{3} = 30.875}{2}$ $\frac{x_{4} = 30}{2}$ $\frac{x$

	Page No. Date
(1)	The null hypothesis Ho: U, = U.
	Alternative hypothesis H: 4, # 1/2
	O'
(ii)	Calculation of test Statistic
3 - 3 -	where between land and a could be sured value
L.K.	$Sp - \left[\frac{\xi(X_1 - \bar{X}_1)^2 + \xi(X_2 - \bar{X}_2)^2}{30.875 + 16.875} \right] = \sqrt{3.41}$
	$\sqrt{n_1+n_2-2}$ $\sqrt{8+8-2}$
	S.E. = Spx + 1 = \(\frac{3.41}{8} \times \) + 1 = 0.92
	V
	·· + = x1 - x2 = 50.875-582.875 =-2.17
	5.E. 0.92
	H 120
(25-X)	solt ==20700-10=10 10-10 =10 1X
1	4 52 -1
(iii)	level of significance = x = 0.085
)	
(vi)	certical value: The value of t at x=0.05 for
	U = 8+8-2 = 14 degrees of feredon = 2.145
() .)	
(٧)	Decision: Sin4 computed value t=12.17
	is gereater than the table value to = 2.145
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	the love hypothesis in sujected at s.1.
	level of significance
21	: Food B is greater superior to Food A
512 01	$=\frac{1}{2}(1-)-18=(16=)-16==(x-17)=$
	- X = E = 1 - X D = _ 1 b = + x = ix + x = x =
	2
- 16 87<	(1-)-11- (163) - 163 = (x-1x) =
0 0 0	