

901551
crola
07
ulty with date
ä

Tut -	67		
			Sampling
6	2ui	2	

the type have mean 42000 kms with so of upoblim a change in the product expless is believed to regard in better product if test sample of 81 tyre has a mean like 425000 kms Test core 1.0s that me new product is significantly better man me all one.

n=81 (lasge) m= 42500 U= 42000

Alternative hypo: Ma: U= 42000

ii rest statistic

2 = 51-U

Z=42500-(12000)

5=1.1

10/ 601 = = = 0.05

	Collical value: - The table value &et 5%.
~)	pre colculated value of 2=1.12 is less
	than the table value of 2-1:06
Q	A sandom sample of 4 pomembers is Journal to have a mean 4:45 cms (an it
1	Ladge populato anote meso is sans la capse vasicale is hand
(A	2c = 7.112
	96 = 5
	Vax = 4, 6 = Vvax = 74 = 2
()	Mo= M=S
•	Wa=45
ji.) test Stockictic
	2 = 51 - Je 6 (TR
	512000 = - L.Z
	121=5.5
111	1.0.6= q = 2.1. = 0.05



	9
Batch:	Roll No:
Name:	
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10	Costical value:
	me volue 08 26 at 51. 1.0.5 iches
VV	Noite :
	Decision: The colorabled value of 7=65
100000	is ascotes than table value of z=1.96
1	in way palo 17 get cited
0	
1	mean 6.7 ga to 10.74 (gives the
	5% at 5% L.D.S. ? notical populate with mean
1	1000
A)	N= So
	Tr = 6.2
	Vax = 10.54 C.D= [vax =
	O1 = (1 = 11376
1	= 2-2
1)	Ulo = Ul = [1]
	de v = de f (- G
11)	Teld Gotiffic
	2 = 51-4
	5120
	= 6.7 6.
	= 6.7 - 6.0
	7.11.0
	2=1.77
	- 111
155	(0.)= 4= (. \ = 0.0)
(1,)	
1.1	withing lealing:
10)	(sictical bolose:- The table value at CF L-05 19 190
	1.16 Jan 16 100 10 10 10 10 10 10 10 10 10 10 10 10

[型	Decicio:-
	table value of 2=1.77 is less town table value of 2=1.77 is less town. ' Wall hypothesis allepted
	table value of z=1.06
	-: Nall hypothesis allepted
0	L Jandon Com 20 Ol Com and 1
3)	A dandom Sample Of Size by that the pop has mean 108.75cm? Can use say that the pop has mean 108.75cm?
	le sam el square el devide dem
	mean 843.75 cm. can we say that the on
- 1	has mean 108.75m?
(A)	
	2 (31; -51) = 843.75
	St = 103.75 (9e = 108.75
\	JE - (08 +)
()	Ho = de= 108.36
	Ha: U \$ 10875
ij	te(+ \fati(ti(:-
	t= 51-ve
	515-1
	S = \{\(\sigma_i - \sigma_i\)
) = \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	(= 863.75 = 7.26
	t= 101.75-101.75
	7.26 / 176-1
	+ = -2.67
	1+1 - 7.67
	111 - 20 +
1-1	The state of the s
VALUE OF THE PARTY	



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111	SOMAIYA VIDYAVIHAR UNIVERSITY	Course : Experiment / assignment / tutorial No Grade: Signature of the Faculty with date
iv	1.0.C= of = C.1. = 0.0S	
	(Sitical Volul:- The table volul of e 2.0.8 v=0-1 v=16	-1=15 is 5.7:105
(v	Decision:- The Colculated value of greater than table value	of t= 2.67 if
	hall phon go	
9)	The mean of two some le 2000 are 67.5 and the samples regarded the same populate of	as drawn krom 8 Sp 2.5 in (bes)
A	$C_1 = 1000$ $C_2 = 2000$ $C_3 = 63$	MARK THE RESERVE TO T
	6=2.5	Nat tool and
i	10: dl, = U2	
ii	ted (tatistic	Hara Jan Daniel
	2= N1 - ST	
	SE = 6 1 1 + 3/2	
		1

	2.5) 1 toob 2000
	SE = 0.04P
- 10	7=67.50-68
	15/= 6.50
- lij	rol = q = 2n = 0.02
iv	(Sictical value! the take value of 2
	Desision:- The cal value of 2= 5:15 is greater than table value 0:5 2= 1.96
\	: Northypothecis kezerted
5)	Tect the significance of the disk the means of the opening pap with same
A)	Size mean (.0) 15ample 2 100 64 6 Sample 2 200 67 8 Ti = 64 m2 = 67 9, = 6 Size 8
i)	Ho = U1 = U2 U1a: U1, +U2

Batch:	Roll No.:
Name :	
Course:_	
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SOMAIYA VIDYAVIHAR UNIVERSITY	Roll No.: Name : Course : Experiment / assignment / bytorial No. Grade: Signature of the Faculty with da
11 Tect Statistic	
7 = 51,-11	
$CE = \frac{105}{CS} \frac{U'}{CS}$	
= 67 + 87	
SE = 0.400	
= 64-67	
15[= 8.3]	
BILL:0. 5 = d = (.1. = 0.0)	Control of the Contro
Ul Chitical value	
The Col Value of 11 =	5=1.09 8.9 1.8 dq64168
The mean of two bandon Size of the fable laby? Sam of the Square of The means are 26 of 6 the Sampling be (possible heen drawn from Sam	Jesuoto 22 /40
	. (

= 1ap(1) = 20-90 = (A1-21) = (A3) Mo: Ul, = up JEB Hotistic 26- 18 (?!:-!], + 8 (di-d), =] 26.34 + 18.77 = 1.80 = (.188) 111 = 0.407 = 74-111 += Jabli2 - 198.97 0.907 4=-2.64 The table value of t 5:0 1:0.6 with reasion .. Null is denented



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Grade T	Signature of the Faculty with date

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9)	A Sample of B Students of touts eag Shown up a mean blood preassure of 110 gram of Hg with so 12:17 mon Do god think dota provided is enough?
A) i)	$\frac{(3)^{5} \cdot 3^{5} = 15.88}{2^{5} = 182}$ $\frac{2^{5} = 15.15}{2^{5} = 10}$ $\frac{2^{5} = 15.88}{2^{5} = 10}$ $\frac{2^{5} = 15.88}{2^{5} = 10}$
(i)	Jea: 4 fuis Sp=) 0.52 40163 N1707-2
	$= \{3,3\}$ $GF = \{0, 1, +1, \dots, n\}$
	= 6-92
	$f = \frac{1186 - 121}{6.32} = -0.11$
	14/= 0.01

