S-phistics-5

Additional Exercise - 15-114-42

do to = M = 25, H1 = M = 25

True: Based on mean we can visity & alteratively hypothesis can be wreethy noted.

$$7 = \frac{71 - 11}{(5/10)} = \frac{52.80 - 0.52}{(4.5/10)} = \frac{0.80}{0.45} = \frac{1.38}{0.45}$$

$$H_1 = \mu 752$$
 $H_0 = \mu 52$
 $P(2 > 1.98) = 0.8625 \Rightarrow 86.65 \%$

: Réject mill hypothèsis.

$$2 = \frac{32.5 - 34}{8\sqrt{50}} = \frac{-1.325}{}$$

$$p(7) = 0.0934$$

 $= 39.34\%$

$$\mu = 1135 \begin{cases} giren \\ n = 22 \end{cases}$$

Jun
$$\int_{0.07}^{0.07} 22 \, families = 22,689$$

$$\pi = \frac{22689}{22} = 1031.32$$

$$\frac{2}{24.3746 \sqrt{22}} = -1.99$$

$$2 = 48574 - 48432 = 1.42 \Rightarrow p(2) = 0.8719$$

$$= 97.19\%$$

failed => reject mill hypothesis & significance 5%.

$$= \frac{31.67 - 32.28}{1.29\sqrt{19}} = -2.06 \Rightarrow 1(z) = 0.0199$$

8017/ Sno/	Acceptance region	Sample	2		BatN=93
1, 48.5	cac51.5 1	0		26.43 (-4.43,-0.63)	(-2.53, 1.76)
g. / 486	27652 1	0	-	50.00	97·05 (-3·16,1·9)
2. 48.812 3. 48.812	ZC51.9 1	6		43.64	38·4 (-2·7,2·24)
4. /48.426	nc s.8) 11	6		25.14	95.75 [-3:33, 1.73]
	1	1			
		Λ			Ē
010 N=16	Tu = 12		0		Ē
818 N=16 N=10	6=1.5	gin			
2=2-	= 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1	12-10 1.5/V16	= 0	2 = \$ 5.	33
			*		<u> </u>
0000	12 10 - 11				2
(S Gjun H	6 = 0.01				E
Sof 3) Gjun H	r=88%				
	0	L. Agus	0.0	17. is 2-60 E	48.
L 13 a	v dedrer , ,	,	0 01	, DV	248.

 $\frac{8610}{M=60}$ C = 9 $P (-t_{0.05} \le t \le t_{0.10})?$ C = 23 as degree freedom $P (-1.713 \le t \le 1.319)$ $P(-1.716 \le \frac{t-60}{4/\sqrt{3}} \le 1.319$ $= -1.716 \le \frac{t-60}{4/5} \le 1.1319$ $= -1.716 \le \frac{t-60}{4/5} \le 1.1319$ $= -1.716 \le \frac{t-60}{4/5} \le 1.1319$