Sample Test 3:

井1. 1=8 < 30

=> t test

Hyperkesis:

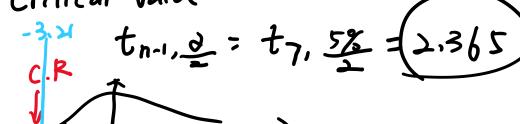
HA:

t = 3-11

o unknown

11.47125-11.5

Critical value



-2.365

Conclusion: Reject 4.

井2、

#3.

#4.

#5.

\$6. n=40>30

: Z test

\H0

1A: M> 0.635

550

Test statistic:

$$Z = \frac{0.6373 - 0.635}{0.012/140}$$

$$= 1.11876$$

$$= 1.11876$$

$$= 1.11876$$

$$= 1.11876$$

$$= 1.11876$$

$$= P(Z) = 1.64$$

$$\therefore do not reject Ho.$$

$$+7 p-value$$

$$= p(Z) = 1.12$$

$$= p(Z) =$$

One tail

$$\beta = |-p| Z = -20 - 8/5$$
 $\beta = |-p| Z = -20 - 8/5$
 $\beta = |-p| Z = -20 - 20 - 20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20 - 20$
 $\beta = |-p| Z = -20 - 20$

#17.

Ho: MI= M2

= (-0.03785408, 201797408)

#20 Test of
$$\beta_1$$
 $t_{N-2} = \frac{b_1}{6^2/5xx}$

where $6^2 = \frac{SSE}{n-2} = MSE = 197.9$
 $t_{N-2} = \frac{0.197}{197.9/1842}$
 $t_{N-2} = \frac{0.197}{197.9/1842}$
 $t_{N-2} = \frac{0.906(047)}{197.9/1842}$

23. $SSE = \sum_{i=1}^{4} (i-1) \cdot S_{i}^{2}$ $= (38-1) \cdot 13 \cdot 04^{2} + (38-1) \cdot 12 \cdot 12^{2}$ $+ (13-1) \cdot 9 \cdot 71^{2} + (11-1) \cdot 11 \cdot 09^{2}$ = 14087.92

$$q = 4 \qquad N = 100.$$

$$\sqrt{1.12.03} = \frac{38.135.16 + 38.129.42 + 13.125.23 + 11.122.07}{100}$$

$$= 130.2502$$

$$SSTr = \sum_{i=1}^{9} \text{Ni}(\sqrt{7.15} - \sqrt{7.15})^{2}$$

$$= 29.(135.16 - 130.2502)^{2}$$

$$= \frac{38 \cdot (135.16 - 130.2502)^{2}}{438 \cdot (129.42 - 130.2502)^{2}} + \frac{38 \cdot (129.42 - 130.2502)^{2}}{411 \cdot (125.23 - 130.2502)^{2}} + \frac{13 \cdot (125.23 - 130.2502)^{2}}{411 \cdot (122.09 - 130.2502)^{2}} = \frac{2002.33}{3} = \frac{667.4443}{96}$$

$$MSTr = \frac{14087.92}{96} = 146.7492$$

$$F = \frac{MSTr}{MSE} = 4.548197$$