

$$\overline{X} \pm t_{oos}/2 \times \frac{s}{\sqrt{n}}$$

$$= 69 \pm 2.11 \times 6.5$$

$$= 6969 \pm 2.743$$

$$0.2 \quad n = 30 = df = 30 - 1 = 29 \text{ for } 0s = 2.045$$

$$\overline{X} = 17$$

$$s = 5.5$$

$$H_0 = 15$$
 $t = 17 - 15 = \frac{2}{1} = \frac{3}{1}$
 $H_1 \neq 15$

for two towil = continued value = 2.045 and value of t is 2 where 2.045 > 2 So we will allept the nul hypothesis.

Conrol

Relation

$$\overline{X}_1 = 30$$
 $\overline{X}_2 = 26$
 $S_1 = 6.63$
 $S_2 = 6.20$
 $S_3 = 6.20$

$$S_z = 6.20$$

 $n_z = 16$ $dt = n_1 + n_2 - 2$
 $= 15 + 16 - 2 = 26029$

= 2.045

four independent

$$t = \frac{30 - 26}{\sqrt{\frac{(6.63)^2}{15} + \frac{(6.20)^2}{16}}} = \frac{4}{\sqrt{2.93 + 2.40}}$$

$$=\frac{4}{2.3092}=\frac{1.732}{}$$

Oritical valle is 2.045 and value of t= 1.732

$$32 \quad 32 = 0 = 0$$
 $31 \quad 28 = 3 = 9$

$$34 \ 25 = 9 = 81$$
 $22 \ 21 = 1 = \frac{1}{60} = \frac{1}{33} = \frac{1}{33}$



$$mo \cdot 0$$
 | month = 10 $df = m-1 = 10-1 = 9$, $\overline{X} = 18$, $S = 2.05$

$$t = \frac{X - \mu_0}{s / m} = \frac{18 - 16}{2.05 / \sqrt{10}} = \frac{2}{.6482} = \frac{3.085}{}$$

we will seefeet the need thypothesis.

