O Given

Source Degeneral breedom sources absorber f-laborate

Clouds 5 28.6 ? ?

Freatable 4 ? ? ?

Errais ? 2 3.6

Total ? 13.5

Total Degree of Roverdom (TXt)-1= (6x5)-1= 29

= 30 18783 C

F 29-5-4=20:

Tours of samures

= SSE => MEEKERTA DE EDIA DE = 3.6x20= 72 Treatment sum at sommes

SSTOTAL = SSOIDLES + S'STARBATHENTS + SSETTA1.

-) Mean swuary:

-) calculate &- valvey-

finally:

29 1635

6:05214 111

n=100

J=1950

M=5000

c = 500

K=0.05

Ho:- u=2000

HIF M < 2000

= z-u

=/5n

131

1950-2000

200

 $\frac{-50}{200} = -2.5$

d=0.05 9+ 1 left 01+a?1

= = -1.645

Z7Za, weil accept.

n2=75

$$\frac{2}{\int \frac{S_1^2}{n_1} + \frac{S_1^2}{n_2}}$$

$$\frac{19.3^{2}+021.4^{2}}{71}+\frac{21.4^{2}}{78}$$

6 Given nie3 n2=3 n3 = 3 Dieta Diet 2 Dict - 3 3 3

N=9 K=no.al 99100123.

1 Ho: d1=d2=d3=0

6 Hi:- Atleast di = 0

6 G.T = 30

a consection factor- GIT - 302 100

(5) Sum of savance of observations

. 16 25 9 16 9

108-100

8 4 4 1 4 1

Sign of country observation by Astronomy:

Sign = Ti2 + Ti2 - CT

The Ti=9

Ti=13.

Ti=3

 $-\frac{9^2}{3} + \frac{13^2}{3} + \frac{8^2}{3} - CF$

 $= \frac{81}{3} + \frac{169}{3} + \frac{64}{3} - CF$ = 104.6 - 100

4.6.

ESS = SST-SSA

- 4.6 3.4

8) degres at breedom!
+or treatment- K-1

= 3-1

Por evolus = N-K.

= 6

Theat sum of source for treatents
$$MSSA = \frac{SSA}{K-1} - \frac{4.6}{2} = 2.3$$

Mean sum at savares within shoups
$$MSST = \frac{ESS}{N-k} = \frac{3.4}{6} = 0.56$$

0 F 3 · 11

Given Man The wed thus Poi sat accided 35 40 38 42 50 Ei = Eum d accidats No at days 0; Ei (01-Ei) 45.71 114.70 2.509 40 32.60 81F.0 45-71 38 48.71 59.441 1.300 42 45-71 13.76 0.301 50 1F.W 18,40 0.402 23 45.71 84.30 1.887 60 45.71. 204.50 4.467 11.579 $\alpha = 0.01$ $\alpha = 0.01$ $\alpha = 0.01$

from table

- 16.812

- value < table volve

- 11.579 < 16.812

- ACCEPT HO

. Uniformly distributed

(8) confidere Interval CI= x + 20/2 5n. Given 21-15 S=3.5 n=40 11 list & state V. compute standard) Eseron + "trace to build pety with all EST 60% 50.02 = 1.842 820/0 5 0.052 = 1.080 90%-12+1.645.0.\$35=12+0.910 = 11,09,12.91

= 10.45' 13.08 824'-1571.480.02232 = 157 1.082