3
V
2
2
Z
0
1

3 9 Ti = B, + B2 X12 + B3 X13 + B4 X14 + U; Y = B, + B2 X2 + B3 X3 + B4 X4 1 0-0

+ 67 Yi-Y = B, -B, + B, (Xi2-Xi) + B3(Xi3-X3) + B4 (Xix-X4) y:= B. Xr. + B3 Xr3 + B4 Xr4 + Cc

2 X13 Yi [Xizyi 5 Xis Xiy S Xiz Xix アメド 2 Xi3 Xiq 5 Xra Xis X Xis [Xin Xi4 2 Kn Xiz [2 Xis 11 5 = (x'x) = 6

= 1.4 -26 -0.04 0.08 0 10.0 -0.04 D.15 -0.05 -0.05 0 11 -26 1 5 10 30 15 20 15 47

0.5 30

> 47-4×4 nrk 11 3'x'(y-2) 20 11 1 520 527 20 r-k <2 <2

0.24

60-55.2

11

24-42

9500,0-9610.0 0 8910.0 9600.0--0.012 -0.012 1 0.036 ii Var (2) = 5 (XX)

ta=0.025, df=20 2.086 A 2.108 1.4-1 10.036 Var (Gr) <(cz) Ho: B=1, t:

2.086 -6.172 No.0168 0.2-1 Var (Ex) B3=1, t. B3-1 Ĭ.

- 1. 4434 10.6196 New (By) Ho: Bg = - 2, t. Rut 2

We reject Ho: B=1 and Ho: B=1 but fail to reject Ho: 134:-2

```
F. (RA-L)(R(XX)'R'](RA-K)
Ho: Azil, B3:1, B4:-2
```

$$[k(x'x)^{4}R']^{-1} = [I_{3}(x'x)^{4}I_{3}]^{-1} = [(x'x)^{4}]^{-1} = x'x$$

$$= 1 \quad [0.4 - 0.8 \quad 0.2] \quad [10 \quad 5 \quad] \quad [0.4]$$

$$0.24 \times 5$$

$$= 1 \quad [0.4 \quad] \quad [10.4]$$

$$= 15 \quad [20] \quad [0.2]$$

We reject Ho: A: 1, Bi: 1, Bu: -2