

Proc (Cg) \* \* 500 HWS. 505

Y= 151. 4 + 14.45

1 12528 12528

1 12528 699.21

10 6992.100 699.21

d) 5544-55R/NG MSEF/JF stustor

b) Testing for this is testing
against y = M since we
against y = M since we
are removing our only factor, time.
To test this, we can:

SSR\_- SSR\_ Lafe

SSR\_- SSR\_ Lafe

MSE\_F Not obtain

MSE\_F Not obtain

we know that SSR\_ for amodel

we know that SSR\_ for amodel

with no creets is equal to:

with NS(Ho) = 194.75

MS(Ho) = 194.75

c) Factorial Model

MSE = (624.27)

SLR MSE = 699.21

iii. Mo: M,= M2 1/2 = M. Ma: M, #. li= 0 1-pf(2.65, 7,16,198.625) ef(.95, 7, 16) 12.65 1 1-pf (2.65, 7, 16, 483) = 1 a) Ho: B, = B2 = \$3 = B4 N=24000 ) Y= n(t-1) 22 293 n-1 23 # = qf (.95,7, 16) = 483 J 3(7) 2300 00 3(8-1) 2 4-1 (10)2 7-4 3 contras treatments Q L ) qf( \( \alpha , t - 1 , \( N - t \) \( \since \) \( F = \cdot \) 6 (72) = work to the think to 120 (80) -+-1 No WENZETH 0=10 T=30 U,=70 N = M+110 N= M N= N+20 3° pertet Var(c(70,90,120,180) ABJUM Na: N. + My 8180 iv. plot ( MSRaf=t-1 MSE N=24 , var (c(150,170,200,250)) 1 = 24(7) 1891.667 198.625 ), type="b", ylab= pour" " n-t 18 1.067 (40)2 N: Ω 

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