


```

9      Create ; relWy    = Wy / defr $
10     Create ; relWam   = Wam / defr $
11     Create ; relWaf   = Waf / defr $
12     Create ; LrelWy   = log(relWy) $
13     Create ; LrelWam  = log(relWam) $
14     Create ; LrelWaf  = log(relWaf) $
15     Create ; RWy       = Wy * ipd $
16     Create ; RWam      = Wam * ipd $
17     Create ; RWaf      = Waf * ipd $
18     Create ; RWk       = defr * ipd $
19     Create ; LRWy      = log(RWy) $
20     Create ; LRWam     = log(RWam) $
21     Create ; LRWaf     = log(RWaf) $
22     Create ; LRWk      = log(RWk) $
23     Create ; LQ        = log(Q) $
24     Namelist ; Price = LRWy, LRWam, LRWaf, LRWk
          ; relPrice = LrelWy, LrelWam, LrelWaf
          ; Costshar = Cy, Cam, Caf
          ; Educate = Edy, Edam, Edaf
          ; Ind = Inda, Indc, Inde, Indf, Indh, Indi, Indp $
25     Sure; LHS = Costshar
          ; Labels =
          ay, byy, byam, byaf, byk, byq,
          aam, bamy, bamam, bamaf, bank, bamq,
          aaf, bafy, bafam, bafaf, bafk, bafq
          ; RHS = one, Price, LQ
          ; Pattern =
~
Eiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii
iiiiiii»
° LIMDEP Execution Trace. This run: 07/20/98. Time now 16:17:38.
Page 2 °
Eiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii
iiiiiii%
Line Program Instruction
AAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA;
Ä
ay, byy, byam, byaf, byk, byq,
aam, bamy, bamam, bamaf, bank, bamq,
aaf, bafy, bafam, bafaf, bafk, bafq $
Results begin on page 1 in output.
Exit status for this model command is 0.0.
26 Dstat ; Rhs = Price, LQ ; Output = 3 $
Results begin on page 3 in output.
Exit status for this model command is 0.0.
27 Sure; LHS = Costshar
; Labels = ay, aam, aaf, byy, byam, byaf, byk, byq, bamam, bamaf,
bank,
bamq, bafaf, bafk, bafq
; RHS = one, Price, LQ
; Pattern =
ay, byy, byam, byaf, byk, byq,
aam, byam, bamam, bamaf, bank, bamq,
aaf, byaf, bamaf, bafaf, bafk, bafq $
Results begin on page 6 in output.
Exit status for this model command is 0.0.
28 Sure; LHS = Costshar
```

[illegible]

```
Eaf,      aam, byam, bamam, bamaf, bamq, Da, Dc, De, Df, Dh, Di, Dp, Ey,
Eam, Eaf,      aaf, byaf, bamaf, bafaf, bafq, Da, Dc, De, Df, Dh, Di, Dp, Ey,
Eam, Eaf
$
Error:    Models - Maximum iterations exceeded by Newton
iterations.
Results begin on page  17 in output.
Exit status for this model command is   1.0.
End command entry from editor.
33 stop
~
Eiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiif
iiiiiii»
° LIMDEP Estimation Results                                Run log line    25
Page    1 °
° Current sample contains          104 observations.
°
Eiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiif
iiiiiii¼
Eiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiif
ii»
° Constrained MLE for Multivariate Regression Model
°
° First iter:   0 F=  201.6227 log|ä|= -12.39099 g'inv(H)g=     1.7649
°
° Last iter:   1 F=  459.7763 log|ä|= -17.35548 g'inv(H)g=     0.0000
°
° Number of observations used in estimation =    104
°
° Model:       ONE    LRWY   LRWAM LRWAF LRWK   LQ
°
° CY           AY     BYY    BYAM   BYAF   BYK    BYQ
°
° CAM          AAM     BAMY   BAMAM BAMAF  BAMK   BAMQ
°
° CAF          AAF     BAFY   BAFAM BAFAF  BAFK   BAFQ
°
Eiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiif
ii¼

Variable      Coefficient      Standard Error      z=b/s.e. P[³Z³ðz]      Mean of X
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AY             0.2017971E-01      0.12331              0.164      0.87001
BYY            -0.3525134E-02      0.77743E-01         -0.045      0.96383
BYAM           -0.7559085E-02      0.10141             -0.075      0.94058
BYAF           0.1249579E-01      0.57401E-01         0.218      0.82767
BYK            -0.1425698E-02      0.55222E-01        -0.026      0.97940
BYQ            -0.4950116E-03      0.32201E-02        -0.154      0.87783
AAM            -0.7367811          0.46613            -1.581      0.11396
BAMY           0.6025832E-01      0.29387              0.205      0.83753
BAMAM          0.1486662          0.38332              0.388      0.69813
BAMAF          -0.8483796E-01      0.21698            -0.391      0.69580
BAMK           -0.1239506          0.20874            -0.594      0.55264
BAMQ           0.1232624          0.12172E-01        10.127      0.00000
AAF            2.481914           0.49935              4.970      0.00000
BAFY           -0.1491486          0.31482            -0.474      0.63567
BAFAM          0.1225248          0.41064              0.298      0.76542
```

Residual covariance matrix

	CY	CAM	CAF
CY	0.5192E-03		
CAM	0.1991E-03	0.7419E-02	
CAF	0.6560E-05	-0.2574E-02	0.8514E-02

Variable	Descriptive Statistics					
	Mean	Std. Dev.	Skew.	Kurt.	Minimum	Maximum
Cases						
LRWY13	1.6476	0.3695	-0.6	2.0	0.9792	2.1158
LRWAM13	2.0872	0.3573	-0.4	1.7	1.4812	2.5275
LRWAF13	2.1540	0.3647	-0.9	2.5	1.3575	2.5022
LRWK13	4.0961	0.3830	-0.3	1.8	3.5396	4.7232
LQ104	9.8942	0.7069	-0.4	1.9	8.5837	10.9884

Covariance matrix

Residual covariance matrix

Covariance matrix

O

