

The PANEL Procedure

Fuller and Battese Variance Components (RanOne)

Dependent Variable: MILK

Model Description

Estimation Method	RanOne
Number of Cross Sections	6
Time Series Length	247

Fit Statistics

SSE	5.840912E11	DFE	1478
MSE	395190226.7	Root MSE	19879.3920
R-Square	0.9584		

Variance Component Estimates

Variance Component for Cross Sections	19887521
Variance Component for Error	3.8844E8

Hausman Test for Random Effects

Coefficients	DF	m Value	Pr > m
4	4	31.66	<.0001

Parameter Estimates

Variable	DF	Estimate	Standard Error	t Value	Pr > t
COWS	1	3586.081	130.4	27.50	<.0001
LAND	1	-170.946	119.2	-1.43	0.1518
LABOR	1	-699.72	1000.4	-0.70	0.4844
FEED	1	1.085574	0.0254	42.71	<.0001

The PANEL Procedure
Fixed One-Way Estimates

Dependent Variable: MILK

Model Description

Estimation Method	FixOne
Number of Cross Sections	6
Time Series Length	247

Fit Statistics

SSE	5.717864E11	DFE	1472
MSE	388441874.7	Root MSE	19708.9288
R-Square	0.9550		

F Test for No Fixed Effects

Num DF	Den DF	F Value	Pr > F
5	1472	1.78	0.1141

Parameter Estimates

Variable	DF	Estimate	Standard Error	t Value	Pr > t 	Label
Intercept	1	-12624	2147.3	-5.88	<.0001	Intercept
COWS	1	3672.885	130.2	28.21	<.0001	
LAND	1	-49.8373	120.2	-0.41	0.6784	
LABOR	1	2293.682	1126.8	2.04	0.0420	
FEED	1	1.054189	0.0258	40.82	<.0001	