

The Mixed Procedure

Model Information	
Data Set	WORK.A1
Dependent Variable	lead
Covariance Structure	Unstructured
Subject Effect	id
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Class Level Information		
Class	Levels	Values
id	50	2 3 5 6 12 14 19 20 22 23 25 26 27 29 31 32 36 39 40 43 44 45 48 49 53 54 57 64 65 66 68 69 70 71 72 79 82 85 87 89 90 91 93 94 95 96 97 98 99 100
timefactor	4	0 1 4 6

Dimensions	
Covariance Parameters	2
Columns in X	5
Columns in Z per Subject	1
Subjects	50
Max Obs per Subject	4

Number of Observations	
Number of Observations Read	200
Number of Observations Used	200
Number of Observations Not Used	0

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	1367.06608276	
1	1	1314.56900792	0.00000000

Convergence criteria met.

The Mixed Procedure

Estimated G Matrix			
Row	Effect	id	Col1
1	Intercept	2	27.7676

Estimated G Correlation Matrix			
Row	Effect	id	Col1
1	Intercept	2	1.0000

Estimated V Matrix for id 2				
Row	Col1	Col2	Col3	Col4
1	57.8072	27.7676	27.7676	27.7676
2	27.7676	57.8072	27.7676	27.7676
3	27.7676	27.7676	57.8072	27.7676
4	27.7676	27.7676	27.7676	57.8072

Estimated V Correlation Matrix for id 2				
Row	Col1	Col2	Col3	Col4
1	1.0000	0.4803	0.4803	0.4803
2	0.4803	1.0000	0.4803	0.4803
3	0.4803	0.4803	1.0000	0.4803
4	0.4803	0.4803	0.4803	1.0000

Covariance Parameter Estimates		
Cov Parm	Subject	Estimate
UN(1,1)	id	27.7676
Residual		30.0395

Fit Statistics	
-2 Res Log Likelihood	1314.6
AIC (Smaller is Better)	1318.6
AICC (Smaller is Better)	1318.6
BIC (Smaller is Better)	1322.4

The Mixed Procedure

Null Model Likelihood Ratio Test		
DF	Chi-Square	Pr > ChiSq
1	52.50	<.0001

Solution for Fixed Effects						
Effect	timefactor	Estimate	Standard Error	DF	t Value	Pr > t
Intercept		20.7620	1.0752	49	19.31	<.0001
timefactor	0	5.7780	1.0962	147	5.27	<.0001
timefactor	1	-7.2400	1.0962	147	-6.60	<.0001
timefactor	4	-5.2480	1.0962	147	-4.79	<.0001
timefactor	6	0

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
timefactor	3	147	56.64	<.0001

The Mixed Procedure

Model Information	
Data Set	WORK.A2
Dependent Variable	lead
Covariance Structure	Unstructured
Subject Effect	id
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Class Level Information		
Class	Levels	Values
id	50	2 3 5 6 12 14 19 20 22 23 25 26 27 29 31 32 36 39 40 43 44 45 48 49 53 54 57 64 65 66 68 69 70 71 72 79 82 85 87 89 90 91 93 94 95 96 97 98 99 100
timefactor	4	0 1 4 6

Dimensions	
Covariance Parameters	2
Columns in X	5
Columns in Z per Subject	1
Subjects	50
Max Obs per Subject	4

Number of Observations	
Number of Observations Read	200
Number of Observations Used	200
Number of Observations Not Used	0

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	1336.92455678	
1	1	1268.30567872	0.00000000

Convergence criteria met.

The Mixed Procedure

Estimated G Matrix			
Row	Effect	id	Col1
1	Intercept	2	27.0767

Estimated G Correlation Matrix			
Row	Effect	id	Col1
1	Intercept	2	1.0000

Estimated V Matrix for id 2				
Row	Col1	Col2	Col3	Col4
1	49.5672	27.0767	27.0767	27.0767
2	27.0767	49.5672	27.0767	27.0767
3	27.0767	27.0767	49.5672	27.0767
4	27.0767	27.0767	27.0767	49.5672

Estimated V Correlation Matrix for id 2				
Row	Col1	Col2	Col3	Col4
1	1.0000	0.5463	0.5463	0.5463
2	0.5463	1.0000	0.5463	0.5463
3	0.5463	0.5463	1.0000	0.5463
4	0.5463	0.5463	0.5463	1.0000

Covariance Parameter Estimates		
Cov Parm	Subject	Estimate
UN(1,1)	id	27.0767
Residual		22.4905

Fit Statistics	
-2 Res Log Likelihood	1268.3
AIC (Smaller is Better)	1272.3
AICC (Smaller is Better)	1272.4
BIC (Smaller is Better)	1276.1

The Mixed Procedure

Null Model Likelihood Ratio Test		
DF	Chi-Square	Pr > ChiSq
1	68.62	<.0001

Solution for Fixed Effects						
Effect	timefactor	Estimate	Standard Error	DF	t Value	Pr > t
Intercept		20.2220	0.9957	49	20.31	<.0001
timefactor	0	6.3180	0.9485	147	6.66	<.0001
timefactor	1	-6.7000	0.9485	147	-7.06	<.0001
timefactor	4	-4.7080	0.9485	147	-4.96	<.0001
timefactor	6	0

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
timefactor	3	147	74.47	<.0001