

The Mixed Procedure

Model Information	
Data Set	WORK.SIMULATED
Dependent Variable	M
Covariance Structure	Unstructured
Subject Effect	grp
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Between-Within

Class Level Information		
Class	Levels	Values
grp	4	1 2 3 4

Dimensions	
Covariance Parameters	2
Columns in X	2
Columns in Z Per Subject	1
Subjects	4
Max Obs Per Subject	25

Number of Observations	
Number of Observations Read	100
Number of Observations Used	100
Number of Observations Not Used	0

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	-159.72548028	
1	2	-159.76761781	0.00000000

The Mixed Procedure

Convergence criteria met.

Covariance Parameter Estimates					
Cov Parm	Subject	Estimate	Standard Error	Z Value	Pr > Z
UN(1,1)	grp	0.000082	0.000442	0.18	0.4267
Residual		0.01039	0.001507	6.89	<.0001

Fit Statistics	
-2 Res Log Likelihood	-159.8
AIC (smaller is better)	-155.8
AICC (smaller is better)	-155.6
BIC (smaller is better)	-157.0

Null Model Likelihood Ratio Test		
DF	Chi-Square	Pr > ChiSq
1	0.04	0.8374

Solution for Fixed Effects					
Effect	Estimate	Standard Error	DF	t Value	Pr > t
Intercept	1.0050	0.01192	3	84.34	<.0001
X	0.9871	0.01043	95	94.60	<.0001

The Mixed Procedure

Model Information	
Data Set	WORK.SIMULATED
Dependent Variable	Y
Covariance Structure	Unstructured
Subject Effect	grp
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Between-Within

Class Level Information		
Class	Levels	Values
grp	4	1 2 3 4

Dimensions	
Covariance Parameters	2
Columns in X	3
Columns in Z Per Subject	1
Subjects	4
Max Obs Per Subject	25

Number of Observations	
Number of Observations Read	100
Number of Observations Used	100
Number of Observations Not Used	0

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	-164.94137528	
1	2	-167.11054526	0.00000000

The Mixed Procedure

Convergence criteria met.

Covariance Parameter Estimates					
Cov Parm	Subject	Estimate	Standard Error	Z Value	Pr > Z
UN(1,1)	grp	0.000722	0.000922	0.78	0.2167
Residual		0.009212	0.001343	6.86	<.0001

Fit Statistics	
-2 Res Log Likelihood	-167.1
AIC (smaller is better)	-163.1
AICC (smaller is better)	-163.0
BIC (smaller is better)	-164.3

Null Model Likelihood Ratio Test		
DF	Chi-Square	Pr > ChiSq
1	2.17	0.1408

Solution for Fixed Effects					
Effect	Estimate	Standard Error	DF	t Value	Pr > t
Intercept	1.0071	0.09784	3	10.29	0.0020
X	0.02071	0.09561	94	0.22	0.8290
M	0.9853	0.09598	94	10.27	<.0001

Mediated effect, standard error and confidence limit

Mediated Effect	Standard error	Lower 95% confidence limit	Upper 95% confidence limit	Standard error based on t-value	Lower 95% confidence limit based on t-value	Upper 95% confidence limit based on t-value
.9726	.0953	.7858	1.159	.0953	.7858	1.159