

**The GLIMMIX Procedure**

Model Information	
Data Set	WORK.BEERICHNESS_YEAR3
Response Variable	TotalFamilyRichness
Response Distribution	Poisson
Link Function	Log
Variance Function	Default
Variance Matrix	Not blocked
Estimation Technique	Residual PL
Degrees of Freedom Method	Satterthwaite

Class Level Information		
Class	Levels	Values
Site	8	Bowman Cretsingher Kaldenberg McClellan Peckum Plunkett Sheller Sloan

Number of Observations Read	8
Number of Observations Used	8

Dimensions	
G-side Cov. Parameters	1
Columns in X	2
Columns in Z	8
Subjects (Blocks in V)	1
Max Obs per Subject	8

Optimization Information	
Optimization Technique	Dual Quasi-Newton
Parameters in Optimization	1
Lower Boundaries	1
Upper Boundaries	0
Fixed Effects	Profiled
Starting From	Data

## The GLIMMIX Procedure

Iteration History					
Iteration	Restarts	Subiterations	Objective Function	Change	Max Gradient
0	0	2	11.5182022	2.00000000	25.035
1	0	0	11.608852111	0.00081828	24.67295
2	0	0	11.609615388	0.00000007	24.67001
3	0	0	11.609615444	0.00000000	24.67001

Convergence criterion (PCONV=1.11022E-8) satisfied.

**Estimated G matrix is not positive definite.**

Fit Statistics	
-2 Res Log Pseudo-Likelihood	11.61
Generalized Chi-Square	0.65
Gener. Chi-Square / DF	0.11

Covariance Parameter Estimates		
Cov Parm	Estimate	Standard Error
Site	1.87E-19	.

Solutions for Fixed Effects					
Effect	Estimate	Standard Error	DF	t Value	Pr >  t
Intercept	1.4476	0.2423	1	5.97	0.1056
PercentCover	0.006801	0.01392	1	0.49	0.7106

Type III Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
PercentCover	1	1	0.24	0.7106

## The GLIMMIX Procedure

## Conditional Studentized Residuals

