

The GLIMMIX Procedure

Model Information	
Data Set	WORK.BEERICHNESS_YEARS12
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	11	Bowman Cretsinger Elkader Greving Kaldenberg McClellan NealSmith Peckumn Plunkett Sheller Sloan
Year	2	1 2

Number of Observations Read	20
Number of Observations Used	20

Dimensions	
G-side Cov. Parameters	1
Columns in X	6
Columns in Z	11
Subjects (Blocks in V)	1
Max Obs per Subject	20

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

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Iteration History					
Iteration	Restarts	Subiterations	Objective Function	Change	Max Gradient
0	0	2	23.666701793	2.00000000	58.36674
1	0	0	23.940747839	0.03284543	57.33313
2	0	0	23.943579587	0.00000740	57.3229
3	0	0	23.943579908	0.00000000	57.3229

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

Estimated G matrix is not positive definite.

Fit Statistics	
-2 Res Log Pseudo-Likelihood	23.94
Generalized Chi-Square	2.02
Gener. Chi-Square / DF	0.13

Covariance Parameter Estimates		
Cov Parm	Estimate	Standard Error
Site	1.2E-19	.

Solutions for Fixed Effects						
Effect	Year	Estimate	Standard Error	DF	t Value	Pr > t
Intercept		1.3983	0.2435	1	5.74	0.1097
PercentCover		0.007673	0.01714	1	0.45	0.7320
Year	1	-0.00524	0.3468	1	-0.02	0.9904
Year	2	0
PercentCover*Year	1	0.01398	0.04089	1	0.34	0.7903
PercentCover*Year	2	0

Type III Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
PercentCover	1	1	0.51	0.6039
Year	1	1	0.00	0.9904
PercentCover*Year	1	1	0.12	0.7903

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Conditional Studentized Residuals

