

The GLIMMIX Procedure

Model Information	
Data Set	WORK.BEERICHNESS_YEARS123
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	3	1 2 3

Number of Observations Read	28
Number of Observations Used	28

Dimensions	
G-side Cov. Parameters	1
Columns in X	8
Columns in Z	11
Subjects (Blocks in V)	1
Max Obs per Subject	28

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	35.187064084	2.00000000	77.1986
1	0	0	35.549527853	0.00959310	75.80945
2	0	0	35.553194967	0.00000210	75.79596
3	0	0	35.553195352	0.00000000	75.79596

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

Estimated G matrix is not positive definite.

Fit Statistics	
-2 Res Log Pseudo-Likelihood	35.55
Generalized Chi-Square	2.67
Gener. Chi-Square / DF	0.12

Covariance Parameter Estimates		
Cov Parm	Estimate	Standard Error
Site	1.74E-19	.

Solutions for Fixed Effects						
Effect	Year	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
Year	1	-0.05463	0.3460	1	-0.16	0.9003
Year	2	-0.04939	0.3435	1	-0.14	0.9091
Year	3	0
PercentCover*Year	1	0.01485	0.03965	1	0.37	0.7718
PercentCover*Year	2	0.000872	0.02208	1	0.04	0.9749
PercentCover*Year	3	0

Type III Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
PercentCover	1	1	0.70	0.5566
Year	2	1	0.02	0.9850
PercentCover*Year	2	1	0.07	0.9357

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Conditional Studentized Residuals

