The GLIMMIX Procedure

Model Information	
Data Set	WORK.BEERICHNESS_YEARS123
Response Variable	TotalSpeciesRichness
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

The GLIMMIX Procedure

Iteration History					
Iteration	Restarts	Subiterations	Objective Function	Change	Max Gradient
0	**0**	4	27.212632188	0.15616250	4.012E-7
1	**0**	2	27.594487551	0.00299572	3.806E-6
2	**0**	2	27.600210039	0.00003947	4.453E-8
3	**0**	0	27.60019053	0.00000000	6.124E-6

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

Fit Statistics	
-2 Res Log Pseudo-Likelihood	27.60
Generalized Chi-Square	21.42
Gener. Chi-Square / DF	0.97

Covariance Parameter Estimates		
Cov Parm	Estimate	Standard Error
Site	0.05267	0.03910

Solutions for Fixed Effects						
Effect	Year	Estimate	Standard Error	DF	t Value	Pr > |t|
Intercept		3.2369	0.1412	22	22.92	<.0001
PercentCover		0.02290	0.007168	22	3.19	0.0042
Year	1	-0.1183	0.1526	22	-0.77	0.4466
Year	2	0.03109	0.1472	22	0.21	0.8347
Year	3	0	.	.	.	.
PercentCover*Year	1	0.03213	0.01810	22	1.77	0.0898
PercentCover*Year	2	-0.01416	0.009200	22	-1.54	0.1381
PercentCover*Year	3	0	.	.	.	.

Type III Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
PercentCover	1	22	10.79	0.0034
Year	2	22	0.51	0.6093
PercentCover*Year	2	22	3.64	0.0431

The GLIMMIX Procedure

Conditional Studentized Residuals