

The GLIMMIX Procedure

Model Information	
Data Set	WORK.PLANTCOVERAGE_YEAR2
Response Variable	Total_Bees
Response Distribution	Negative Binomial
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
Sampling_Day	5	1 2 3 4 5
Site	10	Bowman Cretsinger Elkader Kaldenberg McClellan NealSmith Peckumn Plunkett Sheller Sloan

Number of Observations Read	50
Number of Observations Used	50

Dimensions	
G-side Cov. Parameters	1
R-side Cov. Parameters	1
Columns in X	12
Columns in Z	10
Subjects (Blocks in V)	1
Max Obs per Subject	50

Optimization Information	
Optimization Technique	Dual Quasi-Newton
Parameters in Optimization	2
Lower Boundaries	2
Upper Boundaries	0
Fixed Effects	Profiled
Starting From	Data

The GLIMMIX Procedure

Iteration History					
Iteration	Restarts	Subiterations	Objective Function	Change	Max Gradient
0	0	8	174.03661665	2.00000000	0.00001
1	0	11	143.0182758	2.00000000	3.42E-7
2	0	6	147.23801422	0.83601727	0.000637
3	0	4	147.0685182	0.56193264	9.236E-7
4	0	4	147.43806957	0.07426812	1.363E-6
5	0	3	147.41757745	0.06397910	1.292E-6
6	0	3	147.45623936	0.00447421	7.625E-7
7	0	3	147.46276336	0.01005385	9.84E-8
8	0	2	147.46822591	0.00192253	9.035E-6
9	0	2	147.47074661	0.00205886	0.000012
10	0	2	147.47181914	0.00080435	4.491E-7
11	0	1	147.47249884	0.00052126	6.368E-6
12	0	1	147.47275749	0.00026240	1.668E-6
13	0	1	147.47292935	0.00014831	3.262E-6
14	0	1	147.47299551	0.00008096	4.405E-7
15	0	1	147.47303982	0.00004423	1.135E-6
16	0	1	147.47305713	0.00002473	2.665E-8
17	0	1	147.47306869	0.00001344	4.226E-7
18	0	0	147.47307333	0.00000732	5.363E-6
19	0	0	147.47307688	0.00000388	9.31E-6

Did not converge.

Covariance Parameter Estimates		
Cov Parm	Estimate	Standard Error
Site	0.1874	.
Scale	0.6127	.