The GLIMMIX Procedure

Model Information			
Data Set	MYDATA.SCHOOL		
Response Variable	Reading3		
Response Distribution	Gaussian		
Link Function	Identity		
Variance Function	Default		
Variance Matrix	Not blocked		
Estimation Technique	Restricted Maximum Likelihood		
Degrees of Freedom Method	Containment		

	Class Level Information			
Class	Levels	Values		
School	3	Cottonwood Maple Pine		
Gender	2	F M		
Teacher	8	Miss Apple Miss Jones Miss Peters Mr. Johnson Mr. Rogers Mrs. King Mrs. Scott Ms. Chapman		

Number of Observations Read	190
Number of Observations Used	134

Dimensions	
G-side Cov. Parameters	1
R-side Cov. Parameters	1
Columns in X	12
Columns in Z	8
Subjects (Blocks in V)	1
Max Obs per Subject	134

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

Iteration History					
			Objective		Max
Iteration	Restarts	Evaluations	Function	Change	Gradient

	Iteration History						
Iteration	Restarts	Evaluations	Objective Function	Change	Max Gradient		
0	0	4	1314.9674599		7.581581		
1	0	5	1314.90989	0.05756992	0.484701		
2	0	2	1314.9095448	0.00034517	0.133386		
3	0	2	1314.9095173	0.00002751	0.003496		
4	0	2	1314.9095173	0.00000002	0.000024		

Convergence criterion (GCONV=1E-8) satisfied.

Fit Statistics			
-2 Res Log Likelihood	1314.91		
AIC (smaller is better)	1318.91		
AICC (smaller is better)	1319.01		
BIC (smaller is better)	1319.07		
CAIC (smaller is better)	1321.07		
HQIC (smaller is better)	1317.84		
Generalized Chi-Square	184996.0		
Gener. Chi-Square / DF	1445.28		

Covariance Parameter Estimates				
Cov Parm	Estimate	Standard Error		
Teacher(School)	51.9739	111.86		
Residual	1445.28	185.48		

Type III Tests of Fixed Effects							
Effect Num DF Den DF F Value Pr > F							
School	2	5	3.87	0.0964			
Gender	1	123	0.07	0.7853			
School*Gender	2	123	5.16	0.0070			

Least Squares Means Estimate Coefficients						
Effect	ffect School Gender Row					
School*Gender	Cottonwood	F	1			
School*Gender	Cottonwood	M	-0.2			
School*Gender	Maple	F	-0.2			
School*Gender	Maple	M	-0.2			
School*Gender	Pine	F	-0.2			
School*Gender	Pine	M	-0.2			

Least Squares Means Estimates						
Effect Label Standard Estimate Error DF t Value Pr > t						
School*Gender	Cottonwood Girls vs. All Others	-34.0590	10.9071	123	-3.12	0.0022