The GLIMMIX Procedure

Model Information	
Data Set	WORK.BRONCH
Response Variable	Value
Response Distribution	Multinomial (ordered)
Link Function	Cumulative Logit
Variance Function	Default
Variance Matrix Blocked By	newID
Estimation Technique	Maximum Likelihood
Likelihood Approximation	Gauss-Hermite Quadrature
Degrees of Freedom Method	Containment

Class Level Information		
Class	**Levels**	**Values**
Attribute	6	LLL LLS LUS RLL RML RUL
rater	2	JW VH

Number of Observations Read	1464
Number of Observations Used	1464

Response Profile		
Ordered Value	**Value**	**Total Frequency**
1	0	492
2	1	648
3	2	210
4	3	114

The GLIMMIX procedure is modeling the probabilities of levels of Value having lower Ordered Values in the Response Profile table.

Dimensions	
G-side Cov. Parameters	2
Columns in X	9
Columns in Z per Subject	3
Subjects (Blocks in V)	244
Max Obs per Subject	6

Optimization Information	
Optimization Technique	Dual Quasi-Newton
Parameters in Optimization	10
Lower Boundaries	2
Upper Boundaries	0
Fixed Effects	Not Profiled
Starting From	GLM estimates
Quadrature Points	5

Iteration History					
Iteration	**Restarts**	**Evaluations**	**Objective Function**	**Change**	**Max Gradient**
0	0	4	2996.4522553	.	407.7365
1	0	2	2907.8103551	88.64190018	129.7459
2	0	2	2857.5040028	50.30635225	79.95138
3	0	2	2804.1747742	53.32922866	29.74264
4	0	2	2801.3589683	2.81580582	59.65816
5	0	4	2788.8072604	12.55170790	15.63968
6	0	3	2782.3708828	6.43637760	13.65866
7	0	3	2779.9179603	2.45292255	4.033654
8	0	3	2779.6841733	0.23378704	1.56814
9	0	3	2779.656343	0.02783023	0.317257
10	0	3	2779.6546021	0.00174089	0.069287
11	0	3	2779.6543835	0.00021862	0.07278
12	0	2	2779.6541205	0.00026301	0.040112
13	0	3	2779.6540944	0.00002612	0.038659
14	0	2	2779.6540804	0.00001396	0.036345

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

Fit Statistics

Fit Statistics

-2 Log Likelihood	2779.65
AIC (smaller is better)	2799.65
AICC (smaller is better)	2799.81
BIC (smaller is better)	2834.63
CAIC (smaller is better)	2844.63
HQIC (smaller is better)	2813.74

Fit Statistics for Conditional Distribution

-2 log L(Value | r. effects)	2079.07

Covariance Parameter Estimates

Cov Parm	Subject	Estimate	Standard Error
Intercept	newID	4.7881	3.0275
rater	newID	0.6362	2.9631

Solutions for Fixed Effects

Effect	Value	Attribute	Estimate	Standard Error	DF	t Value	Pr > |t|
Intercept	0		-1.4536	0.2133	0	-6.81	.
Intercept	1		2.2714	0.2215	0	10.25	.
Intercept	2		4.2574	0.2543	0	16.74	.
Attribute		LLL	0.8190	0.1981	1213	4.13	<.0001
Attribute		LLS	-0.6348	0.1919	1213	-3.31	0.0010
Attribute		LUS	1.9206	0.2150	1213	8.93	<.0001
Attribute		RLL	0.2446	0.1925	1213	1.27	0.2040
Attribute		RML	-1.4288	0.1978	1213	-7.22	<.0001
Attribute		RUL	0	.	.	.	.

Type III Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
Attribute	5	1213	49.04	<.0001