The GLIMMIX Procedure

Model Information	
Data Set	WORK.THICK
Response Variable	Value
Response Distribution	Binomial
Link Function	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	1463
Number of Observations Used	1463

Dimensions	
G-side Cov. Parameters	1
Columns in X	9
Columns in Z per Subject	1
Subjects (Blocks in V)	244
Max Obs per Subject	6

Optimization Information	
Optimization Technique	Dual Quasi-Newton
Parameters in Optimization	8
Lower Boundaries	1
Upper Boundaries	0
Fixed Effects	Not Profiled
Starting From	GLM estimates
Quadrature Points	21

Iteration History					
Iteration	Restarts	Evaluations	Objective Function	Change	Max Gradient
0	0	4	571.87401231	.	67.994
1	0	4	512.51510866	59.35890365	5.030998
2	0	4	505.14317082	7.37193784	4.488461
3	0	2	503.95245995	1.19071087	1.373058
4	0	2	503.90234943	0.05011053	0.240331
5	0	4	503.88300555	0.01934387	0.415187
6	0	2	503.85598518	0.02702038	0.174675
7	0	3	503.83906674	0.01691844	0.28199
8	0	3	503.82861258	0.01045416	0.053886
9	0	3	503.82817597	0.00043661	0.006531
10	0	3	503.8281733	0.00000266	0.000253
11	0	3	503.82817329	0.00000001	0.000094

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

Fit Statistics	
-2 Log Likelihood	503.83
AIC (smaller is better)	519.83
AICC (smaller is better)	519.93
BIC (smaller is better)	547.81
CAIC (smaller is better)	555.81
HQIC (smaller is better)	531.10

Fit Statistics for Conditional Distribution	
-2 log L(Value | r. effects)	278.76
Pearson Chi-Square	399.87
Pearson Chi-Square / DF	0.27

Covariance Parameter Estimates

Cov Parm	Subject	Estimate	Standard Error
Intercept	newID	5.4240	1.6972

Solutions for Fixed Effects

Effect	Attribute	rater	Estimate	Standard Error	DF	t Value	Pr > |t|
Intercept			-3.7103	0.6082	242	-6.10	<.0001
Attribute	LLL		-1.9264	0.4484	1214	-4.30	<.0001
Attribute	LLS		-3.2305	0.6291	1214	-5.14	<.0001
Attribute	LUS		-2.0592	0.4621	1214	-4.46	<.0001
Attribute	RLL		-1.3782	0.3998	1214	-3.45	0.0006
Attribute	RML		-3.2313	0.6290	1214	-5.14	<.0001
Attribute	RUL		0	.	.	.	.
rater		JW	0.9062	0.5457	1214	1.66	0.0970
rater		VH	0	.	.	.	.

Type III Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
Attribute	5	1214	9.94	<.0001
rater	1	1214	2.76	0.0970

Attribute Least Squares Means

Attribute	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper	Mean	Standard Error Mean	Lower Mean	Upper Mean
LLL	-5.1836	0.6136	1214	-8.45	<.0001	0.05	-6.3873	-3.9799	0.005577	0.003402	0.001680	0.01835
LLS	-6.4877	0.7752	1214	-8.37	<.0001	0.05	-8.0086	-4.9667	0.001520	0.001176	0.000332	0.006918
LUS	-5.3164	0.6267	1214	-8.48	<.0001	0.05	-6.5459	-4.0868	0.004887	0.003047	0.001434	0.01652
RLL	-4.6353	0.5631	1214	-8.23	<.0001	0.05	-5.7401	-3.5306	0.009610	0.005359	0.003204	0.02845
RML	-6.4885	0.7750	1214	-8.37	<.0001	0.05	-8.0090	-4.9680	0.001519	0.001175	0.000332	0.006909
RUL	-3.2572	0.4478	1214	-7.27	<.0001	0.05	-4.1358	-2.3785	0.03707	0.01599	0.01574	0.08482

Differences of Attribute Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

Attribute	Attribute	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper	Adj Lower	Adj Upper	Odds Ratio	Lower Confidence Limit for Odds Ratio	Upper Confidence Limit for Odds Ratio	Adj Lower Odds Ratio	Adj Upper Odds Ratio
LLL	LLS	1.3041	0.6576	1214	1.98	0.0476	0.3527	0.05	0.01380	2.5943	-0.5731	3.1812	3.684	1.014	13.387	0.564	24.075
LLL	LUS	0.1328	0.5157	1214	0.26	0.7969	0.9998	0.05	-0.8789	1.1445	-1.3391	1.6046	1.142	0.415	3.141	0.262	4.976
LLL	RLL	-0.5483	0.4738	1214	-1.16	0.2474	0.8570	0.05	-1.4778	0.3813	-1.9006	0.8040	0.578	0.228	1.464	0.149	2.235
LLL	RML	1.3049	0.6576	1214	1.98	0.0474	0.3518	0.05	0.01480	2.5950	-0.5720	3.1818	3.687	1.015	13.397	0.564	24.090
LLL	RUL	-1.9264	0.4484	1214	-4.30	<.0001	0.0003	0.05	-2.8061	-1.0467	-3.2063	-0.6466	0.146	0.060	0.351	0.041	0.524
LLS	LUS	-1.1713	0.6645	1214	-1.76	0.0782	0.4905	0.05	-2.4750	0.1324	-3.0679	0.7253	0.310	0.084	1.142	0.047	2.065
LLS	RLL	-1.8523	0.6375	1214	-2.91	0.0037	0.0432	0.05	-3.1030	-0.6016	-3.6719	-0.03275	0.157	0.045	0.548	0.025	0.968
LLS	RML	0.000851	0.7734	1214	0.00	0.9991	1.0000	0.05	-1.5166	1.5183	-2.2068	2.2085	1.001	0.219	4.564	0.110	9.102
LLS	RUL	-3.2305	0.6291	1214	-5.14	<.0001	<.0001	0.05	-4.4647	-1.9963	-5.0261	-1.4349	0.040	0.012	0.136	0.007	0.238
LUS	RLL	-0.6810	0.4851	1214	-1.40	0.1606	0.7247	0.05	-1.6328	0.2707	-2.0657	0.7036	0.506	0.195	1.311	0.127	2.021
LUS	RML	1.1721	0.6644	1214	1.76	0.0780	0.4895	0.05	-0.1314	2.4757	-0.7243	3.0685	3.229	0.877	11.890	0.485	21.511
LUS	RUL	-2.0592	0.4621	1214	-4.46	<.0001	0.0001	0.05	-2.9658	-1.1527	-3.3781	-0.7403	0.128	0.052	0.316	0.034	0.477
RLL	RML	1.8532	0.6374	1214	2.91	0.0037	0.0430	0.05	0.6026	3.1037	0.03386	3.6725	6.380	1.827	22.280	1.034	39.350
RLL	RUL	-1.3782	0.3998	1214	-3.45	0.0006	0.0077	0.05	-2.1625	-0.5938	-2.5193	-0.2370	0.252	0.115	0.552	0.081	0.789
RML	RUL	-3.2313	0.6290	1214	-5.14	<.0001	<.0001	0.05	-4.4653	-1.9974	-5.0266	-1.4361	0.040	0.012	0.136	0.007	0.238