

The GLIMMIX Procedure

Model Information	
Data Set	WORK.THIN
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	1459
Number of Observations Used	1459

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	5

Iteration History					
Iteration	Restarts	Evaluations	Objective Function	Change	Max Gradient
0	0	4	421.87365202	.	55.95463
1	0	4	319.87691279	101.99673924	15.38799
2	0	2	311.38600324	8.49090955	7.004234
3	0	4	306.79446809	4.59153514	2.949202
4	0	2	306.17684441	0.61762369	0.767976
5	0	4	305.99213812	0.18470628	0.848319
6	0	2	305.69446876	0.29766936	0.826292
7	0	2	305.2981532	0.39631556	1.019297
8	0	2	304.75208511	0.54606809	1.942305
9	0	4	303.73551107	1.01657404	3.829668
10	0	2	303.0098279	0.72568317	1.69152
11	0	3	302.60408219	0.40574571	0.366465
12	0	3	302.55360144	0.05048075	0.07766
13	0	3	302.55294282	0.00065862	0.008928
14	0	3	302.55292157	0.00002125	0.00229
15	0	3	302.55292085	0.00000072	0.001316

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

Fit Statistics	
-2 Log Likelihood	302.55
AIC (smaller is better)	318.55
AICC (smaller is better)	318.65
BIC (smaller is better)	346.53
CAIC (smaller is better)	354.53
HQIC (smaller is better)	329.82

Fit Statistics for Conditional Distribution

Fit Statistics for Conditional Distribution	
-2 log L(Value   r. effects)	160.14
Pearson Chi-Square	259.59
Pearson Chi-Square / DF	0.18

Covariance Parameter Estimates			
Cov Parm	Subject	Estimate	Standard Error
Intercept	newID	5.9505	2.1250

Solutions for Fixed Effects							
Effect	Attribute	rater	Estimate	Standard Error	DF	t Value	Pr >  t
Intercept			-5.5330	0.8810	242	-6.28	<.0001
Attribute	LLL		-1.0866	0.6333	1210	-1.72	0.0865
Attribute	LLS		-1.7355	0.7487	1210	-2.32	0.0206
Attribute	LUS		-0.4501	0.5542	1210	-0.81	0.4169
Attribute	RLL		-0.5513	0.5622	1210	-0.98	0.3270
Attribute	RML		-1.5012	0.6960	1210	-2.16	0.0312
Attribute	RUL		0	.	.	.	.
rater		JW	0.5648	0.6371	1210	0.89	0.3755
rater		VH	0	.	.	.	.

Type III Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Attribute	5	1210	1.75	0.1211
rater	1	1210	0.79	0.3755

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	-6.3372	0.8809	1210	-7.19	<.0001	0.05	-8.0655	-4.6090	0.001766	0.001553	0.000314	0.009864
LLS	-6.9861	0.9857	1210	-7.09	<.0001	0.05	-8.9200	-5.0522	0.000924	0.000910	0.000134	0.006355
LUS	-5.7007	0.8002	1210	-7.12	<.0001	0.05	-7.2706	-4.1308	0.003332	0.002658	0.000695	0.01582
RLL	-5.8019	0.8214	1210	-7.06	<.0001	0.05	-7.4135	-4.1903	0.003013	0.002467	0.000603	0.01492
RML	-6.7518	0.9566	1210	-7.06	<.0001	0.05	-8.6285	-4.8751	0.001167	0.001115	0.000179	0.007577
RUL	-5.2506	0.7505	1210	-7.00	<.0001	0.05	-6.7230	-3.7782	0.005217	0.003895	0.001201	0.02235

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	0.6489	0.8219	1210	0.79	0.4300	0.9693	0.05	-0.9636	2.2614	-1.6971	2.9949	1.913	0.382	9.597	0.183	19.983
LLL	LUS	-0.6365	0.6621	1210	-0.96	0.3366	0.9300	0.05	-1.9355	0.6625	-2.5263	1.2533	0.529	0.144	1.940	0.080	3.502
LLL	RLL	-0.5353	0.6665	1210	-0.80	0.4220	0.9670	0.05	-1.8430	0.7723	-2.4378	1.3671	0.585	0.158	2.165	0.087	3.924
LLL	RML	0.4146	0.7742	1210	0.54	0.5924	0.9947	0.05	-1.1045	1.9336	-1.7954	2.6245	1.514	0.331	6.914	0.166	13.797
LLL	RUL	-1.0866	0.6333	1210	-1.72	0.0865	0.5215	0.05	-2.3291	0.1559	-2.8942	0.7210	0.337	0.097	1.169	0.055	2.057
LLS	LUS	-1.2854	0.7712	1210	-1.67	0.0958	0.5541	0.05	-2.7984	0.2276	-3.4865	0.9157	0.277	0.061	1.256	0.031	2.499
LLS	RLL	-1.1842	0.7739	1210	-1.53	0.1262	0.6448	0.05	-2.7026	0.3342	-3.3932	1.0248	0.306	0.067	1.397	0.034	2.786
LLS	RML	-0.2343	0.8640	1210	-0.27	0.7863	0.9998	0.05	-1.9294	1.4607	-2.7004	2.2317	0.791	0.145	4.309	0.067	9.316
LLS	RUL	-1.7355	0.7487	1210	-2.32	0.0206	0.1875	0.05	-3.2044	-0.2666	-3.8725	0.4015	0.176	0.041	0.766	0.021	1.494
LUS	RLL	0.1012	0.5962	1210	0.17	0.8653	1.0000	0.05	-1.0686	1.2710	-1.6006	1.8030	1.106	0.343	3.564	0.202	6.068
LUS	RML	1.0511	0.7200	1210	1.46	0.1446	0.6900	0.05	-0.3615	2.4636	-1.0040	3.1061	2.861	0.697	11.748	0.366	22.335
LUS	RUL	-0.4501	0.5542	1210	-0.81	0.4169	0.9654	0.05	-1.5374	0.6372	-2.0320	1.1318	0.638	0.215	1.891	0.131	3.101
RLL	RML	0.9499	0.7173	1210	1.32	0.1857	0.7716	0.05	-0.4574	2.3572	-1.0975	2.9973	2.585	0.633	10.561	0.334	20.031
RLL	RUL	-0.5513	0.5622	1210	-0.98	0.3270	0.9242	0.05	-1.6544	0.5518	-2.1561	1.0535	0.576	0.191	1.736	0.116	2.868
RML	RUL	-1.5012	0.6960	1210	-2.16	0.0312	0.2590	0.05	-2.8666	-0.1357	-3.4877	0.4853	0.223	0.057	0.873	0.031	1.625