

The GLIMMIX Procedure

Model Information	
Data Set	WORK.LN
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	RUL RML RLL LUS LLS LLL
rater	2	JW VH

Number of Observations Read	1464
Number of Observations Used	1462

Dimensions	
G-side Cov. Parameters	2
Columns in X	9
Columns in Z per Subject	3
Subjects (Blocks in V)	161
Max Obs per Subject	12

Optimization Information	
Optimization Technique	Dual Quasi-Newton
Parameters in Optimization	9
Lower Boundaries	2
Upper Boundaries	0
Fixed Effects	Not Profiled
Starting From	GLM estimates
Quadrature Points	7

Iteration History					
Iteration	Restarts	Evaluations	Objective Function	Change	Max Gradient
0	0	4	873.58123497	.	56.28567
1	0	2	845.24971309	28.33152188	12.88071
2	0	3	836.81844618	8.43126691	4.436625
3	0	3	836.02135166	0.79709452	1.962346
4	0	2	835.80820558	0.21314608	1.710796
5	0	3	835.7500065	0.05819908	1.134674
6	0	2	835.71751511	0.03249139	1.442924
7	0	2	835.68215576	0.03535934	0.358307
8	0	3	835.6771607	0.00499506	0.098343
9	0	3	835.67673989	0.00042080	0.025033
10	0	3	835.67672634	0.00001355	0.00897
11	0	3	835.67672179	0.00000455	0.000782
12	0	3	835.67672177	0.00000002	0.000034

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

Estimated G matrix is not positive definite.

Fit Statistics	
-2 Log Likelihood	835.68
AIC (smaller is better)	851.68
AICC (smaller is better)	851.78
BIC (smaller is better)	876.33
CAIC (smaller is better)	884.33
HQIC (smaller is better)	861.69

Fit Statistics for Conditional Distribution	
-2 log L(Value | r. effects)	603.03

Fit Statistics for Conditional Distribution	
Pearson Chi-Square	709.36
Pearson Chi-Square / DF	0.49

Covariance Parameter Estimates			
Cov Parm	Subject	Estimate	Standard Error
Intercept	newID	3.3778	.
rater	newID	1.01E-17	0.001473

Solutions for Fixed Effects							
Effect	Attribute	rater	Estimate	Standard Error	DF	t Value	Pr > |t|
Intercept			-2.5956	0.5306	82	-4.89	<.0001
Attribute	RUL		-0.1734	2.6311	1213	-0.07	0.9475
Attribute	RML		-1.5169	2.1113	1213	-0.72	0.4726
Attribute	RLL		-0.09352	0	1213	-Infy	<.0001
Attribute	LUS		-1.6099	0	1213	-Infy	<.0001
Attribute	LLS		-1.5169	0	1213	-Infy	<.0001
Attribute	LLL		0	.	.	.	.
rater		JW	0.2398	0	82	Infy	<.0001
rater		VH	0	.	.	.	.

Type III Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Attribute	2	1213	26.68	<.0001
rater	1	82	Infy	<.0001

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
Intercept		1	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	1	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	1	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		2	0.4989	0.9708	1213	0.51	0.6074
rater	JW	2	-477E-20	0.000695	1213	-0.00	1.0000
rater	VH	2	6.26E-18	0.000913	1213	0.00	1.0000
Intercept		3	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	3	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	3	0	.	.	.	.
Intercept		4	2.2198	0.6600	1213	3.36	0.0008
rater	JW	4	2E-18	0.000291	1213	0.00	1.0000
rater	VH	4	4.64E-18	0.000677	1213	0.00	1.0000
Intercept		5	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	5	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	5	0	.	.	.	.
Intercept		6	1.8839	0.8870	1213	2.12	0.0339
rater	JW	6	5.64E-18	0.000822	1213	0.00	1.0000
rater	VH	6	0	.	.	.	.
Intercept		7	0.9720	1.0587	1213	0.92	0.3588
rater	JW	7	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	7	0	.	.	.	.
Intercept		8	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	8	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	8	0	.	.	.	.
Intercept		9	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	9	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	9	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		10	3.2118	0.8666	1213	3.71	0.0002
rater	JW	10	9.61E-18	0.001400	1213	0.00	1.0000
rater	VH	10	0	.	.	.	.
Intercept		11	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	11	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	11	0	.	.	.	.
Intercept		12	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	12	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	12	0	.	.	.	.
Intercept		13	0.9720	1.0587	1213	0.92	0.3588
rater	JW	13	2.91E-18	0.000424	1213	0.00	1.0000

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
rater	VH	13	0	.	.	.	.
Intercept		14	0.9720	1.0587	1213	0.92	0.3588
rater	JW	14	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	14	0	.	.	.	.
Intercept		15	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	15	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	15	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		16	2.6030	0.6519	1213	3.99	<.0001
rater	JW	16	2.77E-17	0.004035	1213	0.00	1.0000
rater	VH	16	-199E-19	0.002900	1213	-0.00	1.0000
Intercept		17	2.2198	0.6600	1213	3.36	0.0008
rater	JW	17	2E-18	0.000291	1213	0.00	1.0000
rater	VH	17	4.64E-18	0.000677	1213	0.00	1.0000
Intercept		18	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	18	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	18	0	.	.	.	.
Intercept		19	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	19	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	19	0	.	.	.	.
Intercept		20	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	20	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	20	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		21	0.9720	1.0587	1213	0.92	0.3588
rater	JW	21	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	21	0	.	.	.	.
Intercept		22	0.9720	1.0587	1213	0.92	0.3588
rater	JW	22	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	22	0	.	.	.	.
Intercept		23	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	23	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	23	0	.	.	.	.
Intercept		24	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	24	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	24	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		25	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	25	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	25	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		26	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	26	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	26	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		27	1.8839	0.8870	1213	2.12	0.0339
rater	JW	27	5.64E-18	0.000822	1213	0.00	1.0000
rater	VH	27	0	.	.	.	.
Intercept		28	0.9720	1.0587	1213	0.92	0.3588
rater	JW	28	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	28	0	.	.	.	.
Intercept		29	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	29	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	29	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		30	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	30	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	30	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		31	1.8839	0.8870	1213	2.12	0.0339
rater	JW	31	5.64E-18	0.000822	1213	0.00	1.0000
rater	VH	31	0	.	.	.	.
Intercept		32	1.2494	0.7880	1213	1.59	0.1131
rater	JW	32	1.06E-18	0.000155	1213	0.00	1.0000
rater	VH	32	2.68E-18	0.000390	1213	0.00	1.0000
Intercept		33	0.9720	1.0587	1213	0.92	0.3588
rater	JW	33	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	33	0	.	.	.	.
Intercept		34	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	34	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	34	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		35	3.3028	0.7038	1213	4.69	<.0001

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
rater	JW	35	8.4E-18	0.001224	1213	0.00	1.0000
rater	VH	35	1.48E-18	0.000216	1213	0.00	1.0000
Intercept		36	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	36	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	36	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		37	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	37	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	37	0	.	.	.	.
Intercept		38	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	38	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	38	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		39	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	39	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	39	0	.	.	.	.
Intercept		40	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	40	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	40	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		41	0.9720	1.0587	1213	0.92	0.3588
rater	JW	41	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	41	0	.	.	.	.
Intercept		42	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	42	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	42	0	.	.	.	.
Intercept		43	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	43	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	43	0	.	.	.	.
Intercept		44	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	44	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	44	0	.	.	.	.
Intercept		45	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	45	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	45	0	.	.	.	.
Intercept		46	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	46	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	46	0	.	.	.	.
Intercept		47	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	47	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	47	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		48	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	48	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	48	0	.	.	.	.
Intercept		49	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	49	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	49	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		50	4.8272	0.9464	1213	5.10	<.0001
rater	JW	50	1.12E-17	0.001630	1213	0.00	1.0000
rater	VH	50	3.26E-18	0.000474	1213	0.00	1.0000
Intercept		51	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	51	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	51	0	.	.	.	.
Intercept		52	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	52	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	52	0	.	.	.	.
Intercept		53	2.9588	0.6682	1213	4.43	<.0001
rater	JW	53	2.86E-18	0.000417	1213	0.00	1.0000
rater	VH	53	5.99E-18	0.000873	1213	0.00	1.0000
Intercept		54	2.2198	0.6600	1213	3.36	0.0008
rater	JW	54	2E-18	0.000291	1213	0.00	1.0000
rater	VH	54	4.64E-18	0.000677	1213	0.00	1.0000
Intercept		55	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	55	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	55	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		56	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	56	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	56	-109E-20	0.000159	1213	-0.00	1.0000

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
Intercept		57	1.8839	0.8870	1213	2.12	0.0339
rater	JW	57	5.64E-18	0.000822	1213	0.00	1.0000
rater	VH	57	0	.	.	.	.
Intercept		58	0.9720	1.0587	1213	0.92	0.3588
rater	JW	58	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	58	0	.	.	.	.
Intercept		59	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	59	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	59	0	.	.	.	.
Intercept		60	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	60	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	60	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		61	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	61	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	61	0	.	.	.	.
Intercept		62	1.8839	0.8870	1213	2.12	0.0339
rater	JW	62	5.64E-18	0.000822	1213	0.00	1.0000
rater	VH	62	0	.	.	.	.
Intercept		63	0.9720	1.0587	1213	0.92	0.3588
rater	JW	63	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	63	0	.	.	.	.
Intercept		64	1.8839	0.8870	1213	2.12	0.0339
rater	JW	64	5.64E-18	0.000822	1213	0.00	1.0000
rater	VH	64	0	.	.	.	.
Intercept		65	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	65	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	65	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		66	1.7845	0.7000	1213	2.55	0.0109
rater	JW	66	-348E-20	0.000508	1213	-0.00	1.0000
rater	VH	66	8.82E-18	0.001286	1213	0.00	1.0000
Intercept		67	1.2494	0.7880	1213	1.59	0.1131
rater	JW	67	-905E-20	0.001318	1213	-0.00	1.0000
rater	VH	67	1.28E-17	0.001863	1213	0.00	1.0000
Intercept		68	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	68	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	68	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		69	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	69	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	69	0	.	.	.	.
Intercept		70	1.7845	0.7000	1213	2.55	0.0109
rater	JW	70	6.62E-18	0.000965	1213	0.00	1.0000
rater	VH	70	-128E-20	0.000187	1213	-0.00	1.0000
Intercept		71	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	71	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	71	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		72	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	72	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	72	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		73	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	73	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	73	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		74	1.2494	0.7880	1213	1.59	0.1131
rater	JW	74	1.06E-18	0.000155	1213	0.00	1.0000
rater	VH	74	2.68E-18	0.000390	1213	0.00	1.0000
Intercept		75	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	75	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	75	0	.	.	.	.
Intercept		76	0.4989	0.9708	1213	0.51	0.6074
rater	JW	76	-477E-20	0.000695	1213	-0.00	1.0000
rater	VH	76	6.26E-18	0.000913	1213	0.00	1.0000
Intercept		77	1.7845	0.7000	1213	2.55	0.0109
rater	JW	77	6.62E-18	0.000965	1213	0.00	1.0000
rater	VH	77	-128E-20	0.000187	1213	-0.00	1.0000
Intercept		78	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	78	-138E-20	0.000201	1213	-0.00	1.0000

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
rater	VH	78	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		79	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	79	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	79	0	.	.	.	.
Intercept		80	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	80	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	80	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		81	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	81	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	81	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		82	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	82	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	82	0	.	.	.	.
Intercept		83	0.4989	0.9708	1213	0.51	0.6074
rater	JW	83	-477E-20	0.000695	1213	-0.00	1.0000
rater	VH	83	6.26E-18	0.000913	1213	0.00	1.0000
Intercept		84	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	84	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	84	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		85	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	85	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	85	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		86	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	86	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	86	0	.	.	.	.
Intercept		87	0.9720	1.0587	1213	0.92	0.3588
rater	JW	87	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	87	0	.	.	.	.
Intercept		88	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	88	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	88	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		89	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	89	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	89	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		90	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	90	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	90	0	.	.	.	.
Intercept		91	0.4989	0.9708	1213	0.51	0.6074
rater	JW	91	-477E-20	0.000695	1213	-0.00	1.0000
rater	VH	91	6.26E-18	0.000913	1213	0.00	1.0000
Intercept		92	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	92	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	92	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		93	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	93	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	93	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		94	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	94	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	94	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		95	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	95	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	95	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		96	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	96	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	96	0	.	.	.	.
Intercept		97	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	97	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	97	0	.	.	.	.
Intercept		98	0.9720	1.0587	1213	0.92	0.3588
rater	JW	98	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	98	0	.	.	.	.
Intercept		99	0.9720	1.0587	1213	0.92	0.3588
rater	JW	99	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	99	0	.	.	.	.
Intercept		100	3.8448	0.9435	1213	4.07	<.0001

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
rater	JW	100	1.15E-17	0.001677	1213	0.00	1.0000
rater	VH	100	0	.	.	.	.
Intercept		101	1.8839	0.8870	1213	2.12	0.0339
rater	JW	101	5.64E-18	0.000822	1213	0.00	1.0000
rater	VH	101	0	.	.	.	.
Intercept		102	2.5826	0.8393	1213	3.08	0.0021
rater	JW	102	7.73E-18	0.001126	1213	0.00	1.0000
rater	VH	102	0	.	.	.	.
Intercept		103	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	103	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	103	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		104	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	104	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	104	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		105	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	105	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	105	0	.	.	.	.
Intercept		106	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	106	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	106	0	.	.	.	.
Intercept		107	1.2494	0.7880	1213	1.59	0.1131
rater	JW	107	1.06E-18	0.000155	1213	0.00	1.0000
rater	VH	107	2.68E-18	0.000390	1213	0.00	1.0000
Intercept		108	1.2494	0.7880	1213	1.59	0.1131
rater	JW	108	1.12E-17	0.001628	1213	0.00	1.0000
rater	VH	108	-743E-20	0.001083	1213	-0.00	1.0000
Intercept		109	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	109	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	109	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		110	1.2494	0.7880	1213	1.59	0.1131
rater	JW	110	1.06E-18	0.000155	1213	0.00	1.0000
rater	VH	110	2.68E-18	0.000390	1213	0.00	1.0000
Intercept		111	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	111	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	111	0	.	.	.	.
Intercept		112	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	112	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	112	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		113	0.9720	1.0587	1213	0.92	0.3588
rater	JW	113	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	113	0	.	.	.	.
Intercept		114	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	114	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	114	0	.	.	.	.
Intercept		115	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	115	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	115	0	.	.	.	.
Intercept		116	1.2494	0.7880	1213	1.59	0.1131
rater	JW	116	1.12E-17	0.001628	1213	0.00	1.0000
rater	VH	116	-743E-20	0.001083	1213	-0.00	1.0000
Intercept		117	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	117	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	117	0	.	.	.	.
Intercept		118	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	118	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	118	0	.	.	.	.
Intercept		119	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	119	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	119	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		120	0.4989	0.9708	1213	0.51	0.6074
rater	JW	120	5.33E-18	0.000777	1213	0.00	1.0000
rater	VH	120	-384E-20	0.000560	1213	-0.00	1.0000
Intercept		121	0.9720	1.0587	1213	0.92	0.3588
rater	JW	121	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	121	0	.	.	.	.

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
Intercept		122	1.2494	0.7880	1213	1.59	0.1131
rater	JW	122	1.06E-18	0.000155	1213	0.00	1.0000
rater	VH	122	2.68E-18	0.000390	1213	0.00	1.0000
Intercept		123	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	123	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	123	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		124	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	124	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	124	0	.	.	.	.
Intercept		125	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	125	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	125	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		126	1.8839	0.8870	1213	2.12	0.0339
rater	JW	126	5.64E-18	0.000822	1213	0.00	1.0000
rater	VH	126	0	.	.	.	.
Intercept		127	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	127	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	127	0	.	.	.	.
Intercept		128	1.2494	0.7880	1213	1.59	0.1131
rater	JW	128	1.06E-18	0.000155	1213	0.00	1.0000
rater	VH	128	2.68E-18	0.000390	1213	0.00	1.0000
Intercept		129	0.9720	1.0587	1213	0.92	0.3588
rater	JW	129	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	129	0	.	.	.	.
Intercept		130	1.8839	0.8870	1213	2.12	0.0339
rater	JW	130	5.64E-18	0.000822	1213	0.00	1.0000
rater	VH	130	0	.	.	.	.
Intercept		131	2.9588	0.6682	1213	4.43	<.0001
rater	JW	131	2.86E-18	0.000417	1213	0.00	1.0000
rater	VH	131	5.99E-18	0.000873	1213	0.00	1.0000
Intercept		132	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	132	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	132	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		133	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	133	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	133	0	.	.	.	.
Intercept		134	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	134	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	134	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		135	1.7845	0.7000	1213	2.55	0.0109
rater	JW	135	-348E-20	0.000508	1213	-0.00	1.0000
rater	VH	135	8.82E-18	0.001286	1213	0.00	1.0000
Intercept		136	2.9588	0.6682	1213	4.43	<.0001
rater	JW	136	2.86E-18	0.000417	1213	0.00	1.0000
rater	VH	136	5.99E-18	0.000873	1213	0.00	1.0000
Intercept		137	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	137	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	137	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		138	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	138	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	138	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		139	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	139	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	139	0	.	.	.	.
Intercept		140	1.8839	0.8870	1213	2.12	0.0339
rater	JW	140	5.64E-18	0.000822	1213	0.00	1.0000
rater	VH	140	0	.	.	.	.
Intercept		141	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	141	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	141	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		142	1.8839	0.8870	1213	2.12	0.0339
rater	JW	142	5.64E-18	0.000822	1213	0.00	1.0000
rater	VH	142	0	.	.	.	.
Intercept		143	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	143	-138E-20	0.000201	1213	-0.00	1.0000

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
rater	VH	143	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		144	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	144	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	144	0	.	.	.	.
Intercept		145	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	145	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	145	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		146	0.4989	0.9708	1213	0.51	0.6074
rater	JW	146	-477E-20	0.000695	1213	-0.00	1.0000
rater	VH	146	6.26E-18	0.000913	1213	0.00	1.0000
Intercept		147	0.9720	1.0587	1213	0.92	0.3588
rater	JW	147	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	147	0	.	.	.	.
Intercept		148	1.2494	0.7880	1213	1.59	0.1131
rater	JW	148	1.06E-18	0.000155	1213	0.00	1.0000
rater	VH	148	2.68E-18	0.000390	1213	0.00	1.0000
Intercept		149	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	149	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	149	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		150	0.5992	0.9861	1213	0.61	0.5435
rater	JW	150	4.89E-18	0.000713	1213	0.00	1.0000
rater	VH	150	-31E-19	0.000451	1213	-0.00	1.0000
Intercept		151	-0.8255	1.3696	1213	-0.60	0.5468
rater	JW	151	-138E-20	0.000201	1213	-0.00	1.0000
rater	VH	151	-109E-20	0.000159	1213	-0.00	1.0000
Intercept		152	1.7845	0.7000	1213	2.55	0.0109
rater	JW	152	6.62E-18	0.000965	1213	0.00	1.0000
rater	VH	152	-128E-20	0.000187	1213	-0.00	1.0000
Intercept		153	0.9720	1.0587	1213	0.92	0.3588
rater	JW	153	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	153	0	.	.	.	.
Intercept		154	0.9720	1.0587	1213	0.92	0.3588
rater	JW	154	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	154	0	.	.	.	.
Intercept		155	1.7845	0.7000	1213	2.55	0.0109
rater	JW	155	-348E-20	0.000508	1213	-0.00	1.0000
rater	VH	155	8.82E-18	0.001286	1213	0.00	1.0000
Intercept		156	0.9720	1.0587	1213	0.92	0.3588
rater	JW	156	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	156	0	.	.	.	.
Intercept		157	0.9720	1.0587	1213	0.92	0.3588
rater	JW	157	2.91E-18	0.000424	1213	0.00	1.0000
rater	VH	157	0	.	.	.	.
Intercept		158	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	158	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	158	0	.	.	.	.
Intercept		159	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	159	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	159	0	.	.	.	.
Intercept		160	-0.5824	1.4721	1213	-0.40	0.6925
rater	JW	160	-174E-20	0.000254	1213	-0.00	1.0000
rater	VH	160	0	.	.	.	.
Intercept		161	3.5436	0.7517	1213	4.71	<.0001
rater	JW	161	5.23E-18	0.000762	1213	0.00	1.0000
rater	VH	161	5.37E-18	0.000783	1213	0.00	1.0000

Attribute Least Squares Means												
Attribute	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper	Mean	Standard Error Mean	Lower Mean	Upper Mean
RUL	-2.6491	2.1079	1213	-1.26	0.2091	0.05	-6.7846	1.4865	0.06605	0.1300	0.001130	0.8155
RML	-3.9925	2.6317	1213	-1.52	0.1295	0.05	-9.1556	1.1706	0.01812	0.04682	0.000106	0.7633
RLL	-2.5692	0.5306	1213	-4.84	<.0001	0.05	-3.6101	-1.5283	0.07115	0.03506	0.02634	0.1782
LUS	-4.0855	0.5306	1213	-7.70	<.0001	0.05	-5.1264	-3.0446	0.01654	0.008628	0.005903	0.04545
LLS	-3.9925	0.5306	1213	-7.53	<.0001	0.05	-5.0334	-2.9516	0.01812	0.009439	0.006474	0.04966

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	-2.4756	0.5306	1213	-4.67	<.0001	0.05	-3.5166	-1.4347	0.07758	0.03797	0.02884	0.1924

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
RUL	RML	1.3434	4.7356	1213	0.28	0.7767	0.9998	0.05	-7.9474	10.6343	-12.1732	14.8601	3.832	<0.001	>999.999	<0.001	>999.999
RUL	RLL	-0.07991	2.6311	1213	-0.03	0.9758	1.0000	0.05	-5.2418	5.0820	-7.5897	7.4299	0.923	0.005	161.099	<0.001	>999.999
RUL	LUS	1.4364	2.6311	1213	0.55	0.5852	0.9942	0.05	-3.7255	6.5984	-6.0733	8.9462	4.206	0.024	733.902	0.002	>999.999
RUL	LLS	1.3434	2.6311	1213	0.51	0.6097	0.9958	0.05	-3.8185	6.5054	-6.1663	8.8532	3.832	0.022	668.722	0.002	>999.999
RUL	LLL	-0.1734	2.6311	1213	-0.07	0.9475	1.0000	0.05	-5.3354	4.9885	-7.6832	7.3363	0.841	0.005	146.715	<0.001	>999.999
RML	RLL	-1.4234	2.1113	1213	-0.67	0.5003	0.9848	0.05	-5.5655	2.7188	-7.4496	4.6029	0.241	0.004	15.163	<0.001	99.770
RML	LUS	0.09301	2.1113	1213	0.04	0.9649	1.0000	0.05	-4.0492	4.2352	-5.9332	6.1192	1.097	0.017	69.075	0.003	454.511
RML	LLS	-1.4E-6	2.1113	1213	-0.00	1.0000	1.0000	0.05	-4.1422	4.1422	-6.0262	6.0262	1.000	0.016	62.941	0.002	414.145
RML	LLL	-1.5169	2.1113	1213	-0.72	0.4726	0.9797	0.05	-5.6591	2.6253	-7.5431	4.5093	0.219	0.003	13.809	<0.001	90.862
RLL	LUS	1.5164	0	1213	Infy	<.0001	.	.	.	.	.	.	4.556	.	.	.	.
RLL	LLS	1.4233	0	1213	Infy	<.0001	.	.	.	.	.	.	4.151	.	.	.	.
RLL	LLL	-0.09352	0	1213	-Infy	<.0001	.	.	.	.	.	.	0.911	.	.	.	.
LUS	LLS	-0.09301	0	1213	-Infy	<.0001	.	.	.	.	.	.	0.911	.	.	.	.
LUS	LLL	-1.6099	0	1213	-Infy	<.0001	.	.	.	.	.	.	0.200	.	.	.	.
LLS	LLL	-1.5169	0	1213	-Infy	<.0001	.	.	.	.	.	.	0.219	.	.	.	.

Significant Pairwise Comparisons of Lobes for Large Nodules

Obs	Attribute	_Attribute	Estimate	OddsRatio	Adjp
1	RLL	LUS	1.5164	4.556	.
2	RLL	LLS	1.4233	4.151	.
3	RLL	LLL	-0.09352	0.911	.
4	LUS	LLS	-0.09301	0.911	.
5	LUS	LLL	-1.6099	0.200	.
6	LLS	LLL	-1.5169	0.219	.