The GLIMMIX Procedure

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

Number of Observations Read	1464
Number of Observations Used	1464

Response Profile		
Ordered Value	Value	Total Frequency
1	0	1140
2	1	236
3	2	36
4	3	52

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	11
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	11
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	1674.4562101	.	47.42606
1	0	2	1648.0961414	26.36006871	70.20743
2	0	26	1648.0961414	0.00000000	40.40933
3	0	3	1643.3829304	4.71321096	30.57752
4	0	2	1636.4313872	6.95154328	13.54935
5	0	3	1634.2169139	2.21447329	14.35476
6	0	2	1631.2586513	2.95826260	10.1336
7	0	3	1629.8109894	1.44766185	6.09859
8	0	2	1627.797284	2.01370541	7.481781
9	0	3	1626.9123774	0.88490662	3.784679
10	0	3	1626.4533188	0.45905857	2.460754
11	0	3	1626.1405584	0.31276042	1.26934
12	0	3	1626.1362148	0.00434363	0.558008
13	0	2	1626.1286727	0.00754207	0.213601
14	0	3	1626.1270419	0.00163082	0.018331
15	0	3	1626.1270355	0.00000639	0.006395

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

Estimated G matrix is not positive definite.

Fit Statistics	
-2 Log Likelihood	1626.13
AIC (smaller is better)	1646.13
AICC (smaller is better)	1646.28
BIC (smaller is better)	1676.94
CAIC (smaller is better)	1686.94
HQIC (smaller is better)	1658.64

Fit Statistics for Conditional Distribution	
-2 log L(Value | r. effects)	1327.65

Covariance Parameter Estimates			
Cov Parm	Subject	Estimate	Standard Error
Intercept	newID	2.4251	.
rater	newID	2.26E-13	0.000863

Solutions for Fixed Effects								
Effect	Value	Attribute	rater	Estimate	Standard Error	DF	t Value	Pr > |t|
Intercept	0			3.0718	0.3551	82	8.65	<.0001
Intercept	1			5.3026	0.2426	82	21.85	<.0001
Intercept	2			6.0390	0.2436	82	24.79	<.0001
Attribute		RUL		-0.8804	0.6908	1213	-1.27	0.2027
Attribute		RML		-3.2655	0.6652	1213	-4.91	<.0001
Attribute		RLL		0.2581	0.3024	1213	0.85	0.3937
Attribute		LUS		0.1126	0.9267	1213	0.12	0.9033
Attribute		LLS		-2.7620	0.7159	1213	-3.86	0.0001
Attribute		LLL		0	.	.	.	.
rater			JW	0.1242	0.4445	82	0.28	0.7806
rater			VH	0	.	.	.	.

Type III Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Attribute	5	1213	53.59	<.0001
rater	1	82	0.08	0.7806

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
Intercept		1	1.6475	1.0946	1213	1.51	0.1326
rater	JW	1	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	1	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		2	0.8442	0.9832	1213	0.86	0.3907
rater	JW	2	-751E-16	0.000287	1213	-0.00	1.0000
rater	VH	2	1.54E-13	0.000588	1213	0.00	1.0000
Intercept		3	-1.7470	0.8831	1213	-1.98	0.0481
rater	JW	3	-163E-15	0.000622	1213	-0.00	1.0000
rater	VH	3	0	.	.	.	.
Intercept		4	1.6475	1.0946	1213	1.51	0.1326
rater	JW	4	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	4	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		5	1.1673	1.1476	1213	1.02	0.3093
rater	JW	5	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	5	0	.	.	.	.
Intercept		6	1.1673	1.1476	1213	1.02	0.3093
rater	JW	6	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	6	0	.	.	.	.
Intercept		7	0.03089	1.0389	1213	0.03	0.9763
rater	JW	7	2.88E-15	0.000011	1213	0.00	1.0000
rater	VH	7	0	.	.	.	.
Intercept		8	0.1815	0.9965	1213	0.18	0.8555
rater	JW	8	1.69E-14	0.000065	1213	0.00	1.0000
rater	VH	8	0	.	.	.	.
Intercept		9	1.6475	1.0946	1213	1.51	0.1326
rater	JW	9	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	9	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		10	-1.1841	0.8444	1213	-1.40	0.1611

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
rater	JW	10	-11E-14	0.000422	1213	-0.00	1.0000
rater	VH	10	0	.	.	.	.
Intercept		11	1.1673	1.1476	1213	1.02	0.3093
rater	JW	11	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	11	0	.	.	.	.
Intercept		12	1.1673	1.1476	1213	1.02	0.3093
rater	JW	12	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	12	0	.	.	.	.
Intercept		13	-1.3755	0.8708	1213	-1.58	0.1145
rater	JW	13	-128E-15	0.000490	1213	-0.00	1.0000
rater	VH	13	0	.	.	.	.
Intercept		14	1.1673	1.1476	1213	1.02	0.3093
rater	JW	14	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	14	0	.	.	.	.
Intercept		15	1.6475	1.0946	1213	1.51	0.1326
rater	JW	15	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	15	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		16	1.6475	1.0946	1213	1.51	0.1326
rater	JW	16	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	16	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		17	-0.7831	0.8712	1213	-0.90	0.3689
rater	JW	17	-638E-16	0.000244	1213	-0.00	1.0000
rater	VH	17	-911E-17	0.000035	1213	-0.00	1.0000
Intercept		18	-0.5473	0.9054	1213	-0.60	0.5457
rater	JW	18	-51E-15	0.000195	1213	-0.00	1.0000
rater	VH	18	0	.	.	.	.
Intercept		19	1.1673	1.1476	1213	1.02	0.3093
rater	JW	19	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	19	0	.	.	.	.
Intercept		20	-1.7464	0.7597	1213	-2.30	0.0217
rater	JW	20	-984E-16	0.000376	1213	-0.00	1.0000
rater	VH	20	-643E-16	0.000246	1213	-0.00	1.0000
Intercept		21	-1.1841	0.8444	1213	-1.40	0.1611
rater	JW	21	-11E-14	0.000422	1213	-0.00	1.0000
rater	VH	21	0	.	.	.	.
Intercept		22	-0.5473	0.9054	1213	-0.60	0.5457
rater	JW	22	-51E-15	0.000195	1213	-0.00	1.0000
rater	VH	22	0	.	.	.	.
Intercept		23	-1.7470	0.8831	1213	-1.98	0.0481
rater	JW	23	-163E-15	0.000622	1213	-0.00	1.0000
rater	VH	23	0	.	.	.	.
Intercept		24	1.6475	1.0946	1213	1.51	0.1326
rater	JW	24	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	24	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		25	1.6475	1.0946	1213	1.51	0.1326
rater	JW	25	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	25	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		26	0.2351	0.9310	1213	0.25	0.8007
rater	JW	26	1.31E-15	5.044E-6	1213	0.00	1.0000
rater	VH	26	2.06E-14	0.000079	1213	0.00	1.0000
Intercept		27	1.1673	1.1476	1213	1.02	0.3093
rater	JW	27	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	27	0	.	.	.	.
Intercept		28	-1.7470	0.8831	1213	-1.98	0.0481
rater	JW	28	-163E-15	0.000622	1213	-0.00	1.0000
rater	VH	28	0	.	.	.	.
Intercept		29	1.6475	1.0946	1213	1.51	0.1326
rater	JW	29	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	29	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		30	-1.5070	0.7710	1213	-1.95	0.0509
rater	JW	30	5.79E-14	0.000221	1213	0.00	1.0000
rater	VH	30	-198E-15	0.000758	1213	-0.00	1.0000
Intercept		31	0.1518	1.0051	1213	0.15	0.8800
rater	JW	31	1.41E-14	0.000054	1213	0.00	1.0000
rater	VH	31	0	.	.	.	.

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
Intercept		32	-0.5872	0.8447	1213	-0.70	0.4871
rater	JW	32	-419E-16	0.000160	1213	-0.00	1.0000
rater	VH	32	-128E-16	0.000049	1213	-0.00	1.0000
Intercept		33	-0.6137	0.9200	1213	-0.67	0.5049
rater	JW	33	-572E-16	0.000218	1213	-0.00	1.0000
rater	VH	33	0	.	.	.	.
Intercept		34	0.2351	0.9310	1213	0.25	0.8007
rater	JW	34	1.31E-15	5.044E-6	1213	0.00	1.0000
rater	VH	34	2.06E-14	0.000079	1213	0.00	1.0000
Intercept		35	1.6475	1.0946	1213	1.51	0.1326
rater	JW	35	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	35	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		36	1.6475	1.0946	1213	1.51	0.1326
rater	JW	36	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	36	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		37	-1.5610	0.8643	1213	-1.81	0.0711
rater	JW	37	-145E-15	0.000556	1213	-0.00	1.0000
rater	VH	37	0	.	.	.	.
Intercept		38	1.6475	1.0946	1213	1.51	0.1326
rater	JW	38	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	38	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		39	-1.5040	0.8959	1213	-1.68	0.0935
rater	JW	39	-14E-14	0.000535	1213	-0.00	1.0000
rater	VH	39	0	.	.	.	.
Intercept		40	-1.1936	0.8021	1213	-1.49	0.1370
rater	JW	40	-704E-16	0.000269	1213	-0.00	1.0000
rater	VH	40	-408E-16	0.000156	1213	-0.00	1.0000
Intercept		41	0.1815	0.9965	1213	0.18	0.8555
rater	JW	41	1.69E-14	0.000065	1213	0.00	1.0000
rater	VH	41	0	.	.	.	.
Intercept		42	-1.1841	0.8444	1213	-1.40	0.1611
rater	JW	42	-11E-14	0.000422	1213	-0.00	1.0000
rater	VH	42	0	.	.	.	.
Intercept		43	-1.4907	0.8629	1213	-1.73	0.0843
rater	JW	43	-139E-15	0.000531	1213	-0.00	1.0000
rater	VH	43	0	.	.	.	.
Intercept		44	-1.1979	0.8457	1213	-1.42	0.1569
rater	JW	44	-112E-15	0.000426	1213	-0.00	1.0000
rater	VH	44	0	.	.	.	.
Intercept		45	-0.7620	0.9536	1213	-0.80	0.4244
rater	JW	45	-71E-15	0.000271	1213	-0.00	1.0000
rater	VH	45	0	.	.	.	.
Intercept		46	0.1518	1.0051	1213	0.15	0.8800
rater	JW	46	1.41E-14	0.000054	1213	0.00	1.0000
rater	VH	46	0	.	.	.	.
Intercept		47	1.6475	1.0946	1213	1.51	0.1326
rater	JW	47	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	47	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		48	-0.9597	0.8809	1213	-1.09	0.2761
rater	JW	48	-894E-16	0.000342	1213	-0.00	1.0000
rater	VH	48	0	.	.	.	.
Intercept		49	-1.0139	0.8109	1213	-1.25	0.2115
rater	JW	49	-157E-15	0.000599	1213	-0.00	1.0000
rater	VH	49	6.24E-14	0.000239	1213	0.00	1.0000
Intercept		50	1.6475	1.0946	1213	1.51	0.1326
rater	JW	50	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	50	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		51	1.1673	1.1476	1213	1.02	0.3093
rater	JW	51	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	51	0	.	.	.	.
Intercept		52	-0.1979	1.0415	1213	-0.19	0.8493
rater	JW	52	-184E-16	0.000070	1213	-0.00	1.0000
rater	VH	52	0	.	.	.	.
Intercept		53	0.2711	0.9236	1213	0.29	0.7692
rater	JW	53	2.74E-15	0.000010	1213	0.00	1.0000

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
rater	VH	53	2.25E-14	0.000086	1213	0.00	1.0000
Intercept		54	-0.2790	0.8917	1213	-0.31	0.7544
rater	JW	54	-136E-15	0.000519	1213	-0.00	1.0000
rater	VH	54	1.1E-13	0.000420	1213	0.00	1.0000
Intercept		55	1.6475	1.0946	1213	1.51	0.1326
rater	JW	55	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	55	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		56	-0.9655	0.8570	1213	-1.13	0.2602
rater	JW	56	5.05E-14	0.000193	1213	0.00	1.0000
rater	VH	56	-14E-14	0.000537	1213	-0.00	1.0000
Intercept		57	-0.5473	0.9054	1213	-0.60	0.5457
rater	JW	57	-51E-15	0.000195	1213	-0.00	1.0000
rater	VH	57	0	.	.	.	.
Intercept		58	0.1518	1.0051	1213	0.15	0.8800
rater	JW	58	1.41E-14	0.000054	1213	0.00	1.0000
rater	VH	58	0	.	.	.	.
Intercept		59	-1.3577	0.8687	1213	-1.56	0.1183
rater	JW	59	-126E-15	0.000483	1213	-0.00	1.0000
rater	VH	59	0	.	.	.	.
Intercept		60	1.6475	1.0946	1213	1.51	0.1326
rater	JW	60	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	60	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		61	-1.2959	0.8611	1213	-1.50	0.1326
rater	JW	61	-121E-15	0.000461	1213	-0.00	1.0000
rater	VH	61	0	.	.	.	.
Intercept		62	-1.7470	0.8831	1213	-1.98	0.0481
rater	JW	62	-163E-15	0.000622	1213	-0.00	1.0000
rater	VH	62	0	.	.	.	.
Intercept		63	-2.9491	0.7076	1213	-4.17	<.0001
rater	JW	63	-275E-15	0.001050	1213	-0.00	1.0000
rater	VH	63	0	.	.	.	.
Intercept		64	0.1815	0.9965	1213	0.18	0.8555
rater	JW	64	1.69E-14	0.000065	1213	0.00	1.0000
rater	VH	64	0	.	.	.	.
Intercept		65	-1.5191	0.7821	1213	-1.94	0.0523
rater	JW	65	-164E-16	0.000063	1213	-0.00	1.0000
rater	VH	65	-125E-15	0.000478	1213	-0.00	1.0000
Intercept		66	1.6475	1.0946	1213	1.51	0.1326
rater	JW	66	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	66	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		67	-1.8576	0.7400	1213	-2.51	0.0122
rater	JW	67	-106E-15	0.000405	1213	-0.00	1.0000
rater	VH	67	-669E-16	0.000256	1213	-0.00	1.0000
Intercept		68	0.2711	0.9236	1213	0.29	0.7692
rater	JW	68	2.74E-15	0.000010	1213	0.00	1.0000
rater	VH	68	2.25E-14	0.000086	1213	0.00	1.0000
Intercept		69	-0.3847	1.0423	1213	-0.37	0.7122
rater	JW	69	-358E-16	0.000137	1213	-0.00	1.0000
rater	VH	69	0	.	.	.	.
Intercept		70	-0.2525	0.8997	1213	-0.28	0.7790
rater	JW	70	2.89E-13	0.001106	1213	0.00	1.0000
rater	VH	70	-313E-15	0.001196	1213	-0.00	1.0000
Intercept		71	-1.5143	0.7852	1213	-1.93	0.0540
rater	JW	71	-239E-15	0.000915	1213	-0.00	1.0000
rater	VH	71	9.84E-14	0.000376	1213	0.00	1.0000
Intercept		72	0.2351	0.9310	1213	0.25	0.8007
rater	JW	72	1.31E-15	5.044E-6	1213	0.00	1.0000
rater	VH	72	2.06E-14	0.000079	1213	0.00	1.0000
Intercept		73	0.8340	0.9916	1213	0.84	0.4005
rater	JW	73	1.41E-13	0.000540	1213	0.00	1.0000
rater	VH	73	-635E-16	0.000243	1213	-0.00	1.0000
Intercept		74	1.6475	1.0946	1213	1.51	0.1326
rater	JW	74	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	74	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		75	0.1518	1.0051	1213	0.15	0.8800

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
rater	JW	75	1.41E-14	0.000054	1213	0.00	1.0000
rater	VH	75	0	.	.	.	.
Intercept		76	-2.4686	0.7225	1213	-3.42	0.0007
rater	JW	76	2.58E-14	0.000099	1213	0.00	1.0000
rater	VH	76	-256E-15	0.000977	1213	-0.00	1.0000
Intercept		77	-1.9782	0.7434	1213	-2.66	0.0079
rater	JW	77	-111E-15	0.000425	1213	-0.00	1.0000
rater	VH	77	-731E-16	0.000279	1213	-0.00	1.0000
Intercept		78	1.6475	1.0946	1213	1.51	0.1326
rater	JW	78	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	78	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		79	0.1021	1.0191	1213	0.10	0.9202
rater	JW	79	9.51E-15	0.000036	1213	0.00	1.0000
rater	VH	79	0	.	.	.	.
Intercept		80	-1.0591	0.8024	1213	-1.32	0.1871
rater	JW	80	-652E-16	0.000249	1213	-0.00	1.0000
rater	VH	80	-334E-16	0.000128	1213	-0.00	1.0000
Intercept		81	-0.2350	0.8841	1213	-0.27	0.7904
rater	JW	81	8.95E-14	0.000342	1213	0.00	1.0000
rater	VH	81	-111E-15	0.000426	1213	-0.00	1.0000
Intercept		82	1.1673	1.1476	1213	1.02	0.3093
rater	JW	82	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	82	0	.	.	.	.
Intercept		83	-0.1961	0.8851	1213	-0.22	0.8247
rater	JW	83	8.22E-14	0.000314	1213	0.00	1.0000
rater	VH	83	-1E-13	0.000384	1213	-0.00	1.0000
Intercept		84	0.8442	0.9832	1213	0.86	0.3907
rater	JW	84	-751E-16	0.000287	1213	-0.00	1.0000
rater	VH	84	1.54E-13	0.000588	1213	0.00	1.0000
Intercept		85	-1.0204	0.8223	1213	-1.24	0.2149
rater	JW	85	3.05E-14	0.000116	1213	0.00	1.0000
rater	VH	85	-126E-15	0.000480	1213	-0.00	1.0000
Intercept		86	-0.5473	0.9054	1213	-0.60	0.5457
rater	JW	86	-51E-15	0.000195	1213	-0.00	1.0000
rater	VH	86	0	.	.	.	.
Intercept		87	1.1673	1.1476	1213	1.02	0.3093
rater	JW	87	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	87	0	.	.	.	.
Intercept		88	-0.5872	0.8447	1213	-0.70	0.4871
rater	JW	88	-419E-16	0.000160	1213	-0.00	1.0000
rater	VH	88	-128E-16	0.000049	1213	-0.00	1.0000
Intercept		89	0.8442	0.9832	1213	0.86	0.3907
rater	JW	89	-751E-16	0.000287	1213	-0.00	1.0000
rater	VH	89	1.54E-13	0.000588	1213	0.00	1.0000
Intercept		90	0.1017	1.0201	1213	0.10	0.9206
rater	JW	90	9.47E-15	0.000036	1213	0.00	1.0000
rater	VH	90	0	.	.	.	.
Intercept		91	0.2578	0.9355	1213	0.28	0.7829
rater	JW	91	2.12E-13	0.000811	1213	0.00	1.0000
rater	VH	91	-188E-15	0.000719	1213	-0.00	1.0000
Intercept		92	-0.8624	0.8700	1213	-0.99	0.3217
rater	JW	92	-52E-15	0.000199	1213	-0.00	1.0000
rater	VH	92	-283E-16	0.000108	1213	-0.00	1.0000
Intercept		93	1.6475	1.0946	1213	1.51	0.1326
rater	JW	93	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	93	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		94	0.1375	0.9485	1213	0.14	0.8847
rater	JW	94	-114E-16	0.000043	1213	-0.00	1.0000
rater	VH	94	2.42E-14	0.000092	1213	0.00	1.0000
Intercept		95	-0.4498	0.8624	1213	-0.52	0.6021
rater	JW	95	1.31E-13	0.000500	1213	0.00	1.0000
rater	VH	95	-173E-15	0.000661	1213	-0.00	1.0000
Intercept		96	1.1673	1.1476	1213	1.02	0.3093
rater	JW	96	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	96	0	.	.	.	.

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
Intercept		97	1.1673	1.1476	1213	1.02	0.3093
rater	JW	97	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	97	0	.	.	.	.
Intercept		98	-1.1346	0.9067	1213	-1.25	0.2110
rater	JW	98	-106E-15	0.000404	1213	-0.00	1.0000
rater	VH	98	0	.	.	.	.
Intercept		99	-0.5473	0.9054	1213	-0.60	0.5457
rater	JW	99	-51E-15	0.000195	1213	-0.00	1.0000
rater	VH	99	0	.	.	.	.
Intercept		100	-0.7620	0.9536	1213	-0.80	0.4244
rater	JW	100	-71E-15	0.000271	1213	-0.00	1.0000
rater	VH	100	0	.	.	.	.
Intercept		101	1.1673	1.1476	1213	1.02	0.3093
rater	JW	101	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	101	0	.	.	.	.
Intercept		102	-1.1841	0.8444	1213	-1.40	0.1611
rater	JW	102	-11E-14	0.000422	1213	-0.00	1.0000
rater	VH	102	0	.	.	.	.
Intercept		103	0.8483	0.9896	1213	0.86	0.3915
rater	JW	103	1.4E-13	0.000534	1213	0.00	1.0000
rater	VH	103	-606E-16	0.000232	1213	-0.00	1.0000
Intercept		104	1.6475	1.0946	1213	1.51	0.1326
rater	JW	104	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	104	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		105	-0.5473	0.9054	1213	-0.60	0.5457
rater	JW	105	-51E-15	0.000195	1213	-0.00	1.0000
rater	VH	105	0	.	.	.	.
Intercept		106	0.1518	1.0051	1213	0.15	0.8800
rater	JW	106	1.41E-14	0.000054	1213	0.00	1.0000
rater	VH	106	0	.	.	.	.
Intercept		107	0.2100	0.9378	1213	0.22	0.8228
rater	JW	107	-502E-17	0.000019	1213	-0.00	1.0000
rater	VH	107	2.46E-14	0.000094	1213	0.00	1.0000
Intercept		108	-1.0591	0.8024	1213	-1.32	0.1871
rater	JW	108	-652E-16	0.000249	1213	-0.00	1.0000
rater	VH	108	-334E-16	0.000128	1213	-0.00	1.0000
Intercept		109	1.6475	1.0946	1213	1.51	0.1326
rater	JW	109	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	109	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		110	-0.9114	0.8673	1213	-1.05	0.2936
rater	JW	110	4.15E-14	0.000159	1213	0.00	1.0000
rater	VH	110	-126E-15	0.000483	1213	-0.00	1.0000
Intercept		111	0.1073	1.0180	1213	0.11	0.9161
rater	JW	111	9.99E-15	0.000038	1213	0.00	1.0000
rater	VH	111	0	.	.	.	.
Intercept		112	1.6475	1.0946	1213	1.51	0.1326
rater	JW	112	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	112	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		113	1.1673	1.1476	1213	1.02	0.3093
rater	JW	113	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	113	0	.	.	.	.
Intercept		114	-1.1346	0.9067	1213	-1.25	0.2110
rater	JW	114	-106E-15	0.000404	1213	-0.00	1.0000
rater	VH	114	0	.	.	.	.
Intercept		115	-1.1979	0.8457	1213	-1.42	0.1569
rater	JW	115	-112E-15	0.000426	1213	-0.00	1.0000
rater	VH	115	0	.	.	.	.
Intercept		116	-0.6245	0.8545	1213	-0.73	0.4650
rater	JW	116	1.67E-13	0.000637	1213	0.00	1.0000
rater	VH	116	-225E-15	0.000859	1213	-0.00	1.0000
Intercept		117	1.1673	1.1476	1213	1.02	0.3093
rater	JW	117	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	117	0	.	.	.	.
Intercept		118	1.1673	1.1476	1213	1.02	0.3093
rater	JW	118	1.09E-13	0.000415	1213	0.00	1.0000

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
rater	VH	118	0	.	.	.	.
Intercept		119	-0.9075	0.8476	1213	-1.07	0.2845
rater	JW	119	-152E-15	0.000580	1213	-0.00	1.0000
rater	VH	119	6.73E-14	0.000257	1213	0.00	1.0000
Intercept		120	-0.5872	0.8447	1213	-0.70	0.4871
rater	JW	120	-419E-16	0.000160	1213	-0.00	1.0000
rater	VH	120	-128E-16	0.000049	1213	-0.00	1.0000
Intercept		121	-0.8043	0.9613	1213	-0.84	0.4029
rater	JW	121	-749E-16	0.000286	1213	-0.00	1.0000
rater	VH	121	0	.	.	.	.
Intercept		122	-1.6376	0.7743	1213	-2.12	0.0346
rater	JW	122	-2E-13	0.000765	1213	-0.00	1.0000
rater	VH	122	4.75E-14	0.000182	1213	0.00	1.0000
Intercept		123	-0.2356	0.8851	1213	-0.27	0.7901
rater	JW	123	-135E-15	0.000517	1213	-0.00	1.0000
rater	VH	123	1.13E-13	0.000433	1213	0.00	1.0000
Intercept		124	-0.2514	1.0096	1213	-0.25	0.8034
rater	JW	124	-234E-16	0.000090	1213	-0.00	1.0000
rater	VH	124	0	.	.	.	.
Intercept		125	-2.2460	0.7372	1213	-3.05	0.0024
rater	JW	125	-27E-14	0.001030	1213	-0.00	1.0000
rater	VH	125	6.03E-14	0.000231	1213	0.00	1.0000
Intercept		126	0.1021	1.0191	1213	0.10	0.9202
rater	JW	126	9.51E-15	0.000036	1213	0.00	1.0000
rater	VH	126	0	.	.	.	.
Intercept		127	-1.3352	0.8615	1213	-1.55	0.1215
rater	JW	127	-124E-15	0.000475	1213	-0.00	1.0000
rater	VH	127	0	.	.	.	.
Intercept		128	-0.5872	0.8447	1213	-0.70	0.4871
rater	JW	128	-419E-16	0.000160	1213	-0.00	1.0000
rater	VH	128	-128E-16	0.000049	1213	-0.00	1.0000
Intercept		129	-0.6605	0.9303	1213	-0.71	0.4779
rater	JW	129	-615E-16	0.000235	1213	-0.00	1.0000
rater	VH	129	0	.	.	.	.
Intercept		130	1.1673	1.1476	1213	1.02	0.3093
rater	JW	130	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	130	0	.	.	.	.
Intercept		131	1.6475	1.0946	1213	1.51	0.1326
rater	JW	131	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	131	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		132	-1.2781	0.8117	1213	-1.57	0.1156
rater	JW	132	-74E-15	0.000283	1213	-0.00	1.0000
rater	VH	132	-45E-15	0.000172	1213	-0.00	1.0000
Intercept		133	1.1673	1.1476	1213	1.02	0.3093
rater	JW	133	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	133	0	.	.	.	.
Intercept		134	-0.2172	0.8911	1213	-0.24	0.8075
rater	JW	134	7.58E-14	0.000290	1213	0.00	1.0000
rater	VH	134	-961E-16	0.000367	1213	-0.00	1.0000
Intercept		135	-0.8091	0.8493	1213	-0.95	0.3409
rater	JW	135	7.14E-14	0.000273	1213	0.00	1.0000
rater	VH	135	-147E-15	0.000561	1213	-0.00	1.0000
Intercept		136	-0.9779	0.8860	1213	-1.10	0.2699
rater	JW	136	-893E-16	0.000341	1213	-0.00	1.0000
rater	VH	136	-18E-16	7.171E-6	1213	-0.00	1.0000
Intercept		137	-4.7130	0.6058	1213	-7.78	<.0001
rater	JW	137	-243E-15	0.000927	1213	-0.00	1.0000
rater	VH	137	-196E-15	0.000751	1213	-0.00	1.0000
Intercept		138	-1.8520	0.7695	1213	-2.41	0.0162
rater	JW	138	-139E-15	0.000531	1213	-0.00	1.0000
rater	VH	138	-336E-16	0.000128	1213	-0.00	1.0000
Intercept		139	1.1673	1.1476	1213	1.02	0.3093
rater	JW	139	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	139	0	.	.	.	.
Intercept		140	-1.4907	0.8629	1213	-1.73	0.0843

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
rater	JW	140	-139E-15	0.000531	1213	-0.00	1.0000
rater	VH	140	0	.	.	.	.
Intercept		141	-1.2953	0.7891	1213	-1.64	0.1010
rater	JW	141	-786E-16	0.000300	1213	-0.00	1.0000
rater	VH	141	-42E-15	0.000161	1213	-0.00	1.0000
Intercept		142	0.1518	1.0051	1213	0.15	0.8800
rater	JW	142	1.41E-14	0.000054	1213	0.00	1.0000
rater	VH	142	0	.	.	.	.
Intercept		143	-0.05309	0.9081	1213	-0.06	0.9534
rater	JW	143	5.64E-14	0.000216	1213	0.00	1.0000
rater	VH	143	-614E-16	0.000235	1213	-0.00	1.0000
Intercept		144	1.1673	1.1476	1213	1.02	0.3093
rater	JW	144	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	144	0	.	.	.	.
Intercept		145	1.6475	1.0946	1213	1.51	0.1326
rater	JW	145	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	145	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		146	-0.01557	0.9187	1213	-0.02	0.9865
rater	JW	146	4.11E-14	0.000157	1213	0.00	1.0000
rater	VH	146	-426E-16	0.000163	1213	-0.00	1.0000
Intercept		147	1.1673	1.1476	1213	1.02	0.3093
rater	JW	147	1.09E-13	0.000415	1213	0.00	1.0000
rater	VH	147	0	.	.	.	.
Intercept		148	-0.8637	0.8653	1213	-1.00	0.3184
rater	JW	148	-52E-15	0.000199	1213	-0.00	1.0000
rater	VH	148	-284E-16	0.000109	1213	-0.00	1.0000
Intercept		149	-0.2414	0.9004	1213	-0.27	0.7887
rater	JW	149	2.88E-13	0.001099	1213	0.00	1.0000
rater	VH	149	-31E-14	0.001185	1213	-0.00	1.0000
Intercept		150	0.2351	0.9310	1213	0.25	0.8007
rater	JW	150	1.31E-15	5.044E-6	1213	0.00	1.0000
rater	VH	150	2.06E-14	0.000079	1213	0.00	1.0000
Intercept		151	-1.6665	0.7582	1213	-2.20	0.0281
rater	JW	151	-945E-16	0.000361	1213	-0.00	1.0000
rater	VH	151	-607E-16	0.000232	1213	-0.00	1.0000
Intercept		152	1.6475	1.0946	1213	1.51	0.1326
rater	JW	152	7.26E-14	0.000278	1213	0.00	1.0000
rater	VH	152	8.08E-14	0.000309	1213	0.00	1.0000
Intercept		153	0.1815	0.9965	1213	0.18	0.8555
rater	JW	153	1.69E-14	0.000065	1213	0.00	1.0000
rater	VH	153	0	.	.	.	.
Intercept		154	-2.2342	0.7521	1213	-2.97	0.0030
rater	JW	154	-208E-15	0.000795	1213	-0.00	1.0000
rater	VH	154	0	.	.	.	.
Intercept		155	-1.8541	0.7700	1213	-2.41	0.0162
rater	JW	155	-214E-15	0.000818	1213	-0.00	1.0000
rater	VH	155	4.14E-14	0.000158	1213	0.00	1.0000
Intercept		156	-1.1841	0.8444	1213	-1.40	0.1611
rater	JW	156	-11E-14	0.000422	1213	-0.00	1.0000
rater	VH	156	0	.	.	.	.
Intercept		157	-1.7882	0.8259	1213	-2.17	0.0306
rater	JW	157	-167E-15	0.000637	1213	-0.00	1.0000
rater	VH	157	0	.	.	.	.
Intercept		158	-0.6605	0.9303	1213	-0.71	0.4779
rater	JW	158	-615E-16	0.000235	1213	-0.00	1.0000
rater	VH	158	0	.	.	.	.
Intercept		159	0.1815	0.9965	1213	0.18	0.8555
rater	JW	159	1.69E-14	0.000065	1213	0.00	1.0000
rater	VH	159	0	.	.	.	.
Intercept		160	0.1518	1.0051	1213	0.15	0.8800
rater	JW	160	1.41E-14	0.000054	1213	0.00	1.0000
rater	VH	160	0	.	.	.	.
Intercept		161	-0.4376	0.9248	1213	-0.47	0.6362
rater	JW	161	-289E-16	0.000110	1213	-0.00	1.0000
rater	VH	161	-119E-16	0.000045	1213	-0.00	1.0000

Estimates

Label	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
RUL vs RML	-2.3851	0.2474	1213	-9.64	<.0001	0.05	-2.8705	-1.8997
RUL vs RLL	1.1385	0.8050	1213	1.41	0.1575	0.05	-0.4408	2.7178
RUL vs LUS	0.9930	0.3980	1213	2.49	0.0127	0.05	0.2121	1.7739
RUL vs LLS	-1.8816	0.2431	1213	-7.74	<.0001	0.05	-2.3585	-1.4046
RUL vs LLL	0.8804	0.6908	1213	1.27	0.2027	0.05	-0.4749	2.2358
RML vs RLL	3.5236	0.7968	1213	4.42	<.0001	0.05	1.9604	5.0869
RML vs LUS	3.3781	0.3736	1213	9.04	<.0001	0.05	2.6451	4.1112
RML vs LLS	0.5036	0.2010	1213	2.50	0.0124	0.05	0.1091	0.8980
RML vs LLL	3.2655	0.6652	1213	4.91	<.0001	0.05	1.9604	4.5707
RLL vs LUS	-0.1455	1.0337	1213	-0.14	0.8881	0.05	-2.1734	1.8825
RLL vs LLS	-3.0201	0.8462	1213	-3.57	0.0004	0.05	-4.6802	-1.3600
RLL vs LLL	-0.2581	0.3024	1213	-0.85	0.3937	0.05	-0.8514	0.3353
LUS vs LLS	-2.8746	0.3629	1213	-7.92	<.0001	0.05	-3.5865	-2.1627
LUS vs LLL	-0.1126	0.9267	1213	-0.12	0.9033	0.05	-1.9307	1.7055
LLS vs LLL	2.7620	0.7159	1213	3.86	0.0001	0.05	1.3574	4.1666

Significant Pairwise Comparisons for atel

Comparison	P-Value	Exponentiated Estimate (Odds Ratio)
RUL vs RML	<.0001	0.0921
RUL vs LUS	0.0127	2.6993
RUL vs LLS	<.0001	0.1524
RML vs RLL	<.0001	33.9069
RML vs LUS	<.0001	29.3157
RML vs LLS	0.0124	1.6546
RML vs LLL	<.0001	26.1944
RLL vs LLS	0.0004	0.0488
LUS vs LLS	<.0001	0.0564
LLS vs LLL	0.0001	15.8314