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	964
2	1	457
3	2	39
4	3	4

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	1941.3949707	.	63.42995
1	0	2	1920.7021023	20.69286841	32.7993
2	0	2	1917.1854384	3.51666392	22.65267
3	0	4	1913.471172	3.71426636	8.566925
4	0	4	1910.5677011	2.90347089	8.367306
5	0	4	1908.2936005	2.27410059	4.896304
6	0	3	1907.3911871	0.90241337	3.708858
7	0	3	1906.8039595	0.58722760	3.384658
8	0	3	1906.5174131	0.28654645	2.237051
9	0	3	1906.399055	0.11835803	1.485395
10	0	3	1906.3591227	0.03993230	0.404019
11	0	3	1906.355753	0.00336977	0.204948
12	0	3	1906.3553366	0.00041635	0.039584
13	0	3	1906.3553155	0.00002116	0.012368
14	0	3	1906.3553054	0.00001002	0.013328

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

Fit Statistics

Fit Statistics

Fit Statistics	
-2 Log Likelihood	1906.36
AIC (smaller is better)	1928.36
AICC (smaller is better)	1928.54
BIC (smaller is better)	1962.25
CAIC (smaller is better)	1973.25
HQIC (smaller is better)	1942.12

Fit Statistics for Conditional Distribution	
-2 log L(Value | r. effects)	1542.06

Covariance Parameter Estimates

Cov Parm	Subject	Estimate	Standard Error
Intercept	newID	1.9981	0.3799
rater	newID	0.2234	0.1852

Solutions for Fixed Effects

Effect	Value	Attribute	rater	Estimate	Standard Error	DF	t Value	Pr > |t|
Intercept	0			1.4005	0.2401	82	5.83	<.0001
Intercept	1			5.1252	0.3168	82	16.18	<.0001
Intercept	2			7.6922	0.5810	82	13.24	<.0001
Attribute		RUL		-0.8000	0.2206	1213	-3.63	0.0003
Attribute		RML		-0.9984	0.2206	1213	-4.53	<.0001
Attribute		RLL		-0.2868	0.2249	1213	-1.28	0.2024
Attribute		LUS		0.6926	0.2477	1213	2.80	0.0052
Attribute		LLS		-0.7558	0.2202	1213	-3.43	0.0006
Attribute		LLL		0	.	.	.	.
rater			JW	-0.1754	0.1687	82	-1.04	0.3016
rater			VH	0	.	.	.	.

Type III Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
Attribute	5	1213	13.16	<.0001
rater	1	82	1.08	0.3016

Solution for Random Effects

Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
Intercept		1	1.0433	0.7927	1213	1.32	0.1883
rater	JW	1	-0.02802	0.4524	1213	-0.06	0.9506
rater	VH	1	0.1447	0.4672	1213	0.31	0.7568
Intercept		2	0.1957	0.6736	1213	0.29	0.7715
rater	JW	2	-0.06035	0.4447	1213	-0.14	0.8921
rater	VH	2	0.08224	0.4478	1213	0.18	0.8543
Intercept		3	-0.3249	0.8504	1213	-0.38	0.7025
rater	JW	3	-0.03633	0.4564	1213	-0.08	0.9366
rater	VH	3	0	0.4727	1213	0.00	1.0000
Intercept		4	0.1863	0.6736	1213	0.28	0.7821
rater	JW	4	0.1169	0.4508	1213	0.26	0.7954
rater	VH	4	-0.09608	0.4483	1213	-0.21	0.8303
Intercept		5	0.5104	0.8863	1213	0.58	0.5648
rater	JW	5	0.05707	0.4586	1213	0.12	0.9010
rater	VH	5	0	0.4727	1213	0.00	1.0000
Intercept		6	-0.06124	0.8261	1213	-0.07	0.9409
rater	JW	6	-0.00685	0.4550	1213	-0.02	0.9880
rater	VH	6	0	0.4727	1213	0.00	1.0000
Intercept		7	-0.5529	0.8021	1213	-0.69	0.4908
rater	JW	7	-0.06183	0.4571	1213	-0.14	0.8924
rater	VH	7	0	0.4727	1213	0.00	1.0000
Intercept		8	1.2565	1.0161	1213	1.24	0.2165
rater	JW	8	0.1405	0.4730	1213	0.30	0.7665
rater	VH	8	0	0.4727	1213	0.00	1.0000
Intercept		9	0.1970	0.6746	1213	0.29	0.7703
rater	JW	9	0.2945	0.4874	1213	0.60	0.5458
rater	VH	9	-0.2725	0.4788	1213	-0.57	0.5694
Intercept		10	-0.5428	0.7995	1213	-0.68	0.4973
rater	JW	10	-0.06070	0.4569	1213	-0.13	0.8943

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
rater	VH	10	0	0.4727	1213	0.00	1.0000
Intercept		11	1.2565	1.0161	1213	1.24	0.2165
rater	JW	11	0.1405	0.4730	1213	0.30	0.7665
rater	VH	11	0	0.4727	1213	0.00	1.0000
Intercept		12	1.2565	1.0161	1213	1.24	0.2165
rater	JW	12	0.1405	0.4730	1213	0.30	0.7665
rater	VH	12	0	0.4727	1213	0.00	1.0000
Intercept		13	-0.9997	0.7962	1213	-1.26	0.2095
rater	JW	13	-0.1118	0.4629	1213	-0.24	0.8092
rater	VH	13	0	0.4727	1213	0.00	1.0000
Intercept		14	0.5104	0.8863	1213	0.58	0.5648
rater	JW	14	0.05707	0.4586	1213	0.12	0.9010
rater	VH	14	0	0.4727	1213	0.00	1.0000
Intercept		15	1.6724	0.9247	1213	1.81	0.0708
rater	JW	15	0.1004	0.4662	1213	0.22	0.8295
rater	VH	15	0.08659	0.4653	1213	0.19	0.8524
Intercept		16	-1.0254	0.6560	1213	-1.56	0.1183
rater	JW	16	-0.6264	0.6096	1213	-1.03	0.3044
rater	VH	16	0.5118	0.5459	1213	0.94	0.3488
Intercept		17	-1.2752	0.6238	1213	-2.04	0.0411
rater	JW	17	-0.04798	0.4395	1213	-0.11	0.9131
rater	VH	17	-0.09462	0.4439	1213	-0.21	0.8313
Intercept		18	-0.5382	0.7983	1213	-0.67	0.5004
rater	JW	18	-0.06018	0.4568	1213	-0.13	0.8952
rater	VH	18	0	0.4727	1213	0.00	1.0000
Intercept		19	0.5092	0.8866	1213	0.57	0.5659
rater	JW	19	0.05694	0.4586	1213	0.12	0.9012
rater	VH	19	0	0.4727	1213	0.00	1.0000
Intercept		20	0.4344	0.7278	1213	0.60	0.5507
rater	JW	20	-0.1769	0.4639	1213	-0.38	0.7030
rater	VH	20	0.2255	0.4762	1213	0.47	0.6360
Intercept		21	-0.5482	0.8009	1213	-0.68	0.4938
rater	JW	21	-0.06130	0.4570	1213	-0.13	0.8933
rater	VH	21	0	0.4727	1213	0.00	1.0000
Intercept		22	-0.5454	0.8002	1213	-0.68	0.4957
rater	JW	22	-0.06098	0.4570	1213	-0.13	0.8939
rater	VH	22	0	0.4727	1213	0.00	1.0000
Intercept		23	-0.9963	0.7953	1213	-1.25	0.2106
rater	JW	23	-0.1114	0.4628	1213	-0.24	0.8098
rater	VH	23	0	0.4727	1213	0.00	1.0000
Intercept		24	1.6724	0.9247	1213	1.81	0.0708
rater	JW	24	0.1004	0.4662	1213	0.22	0.8295
rater	VH	24	0.08659	0.4653	1213	0.19	0.8524
Intercept		25	1.6724	0.9247	1213	1.81	0.0708
rater	JW	25	0.1004	0.4662	1213	0.22	0.8295
rater	VH	25	0.08659	0.4653	1213	0.19	0.8524
Intercept		26	1.6724	0.9247	1213	1.81	0.0708
rater	JW	26	0.1004	0.4662	1213	0.22	0.8295
rater	VH	26	0.08659	0.4653	1213	0.19	0.8524
Intercept		27	1.2565	1.0161	1213	1.24	0.2165
rater	JW	27	0.1405	0.4730	1213	0.30	0.7665
rater	VH	27	0	0.4727	1213	0.00	1.0000
Intercept		28	-2.7360	0.8509	1213	-3.22	0.0013
rater	JW	28	-0.3059	0.5162	1213	-0.59	0.5535
rater	VH	28	0	0.4727	1213	0.00	1.0000
Intercept		29	0.5853	0.7190	1213	0.81	0.4158
rater	JW	29	-0.1377	0.4558	1213	-0.30	0.7627
rater	VH	29	0.2031	0.4721	1213	0.43	0.6671
Intercept		30	-1.2544	0.6209	1213	-2.02	0.0436
rater	JW	30	0.2731	0.4651	1213	0.59	0.5572
rater	VH	30	-0.4134	0.5153	1213	-0.80	0.4225
Intercept		31	-0.5560	0.8030	1213	-0.69	0.4888
rater	JW	31	-0.06217	0.4571	1213	-0.14	0.8918
rater	VH	31	0	0.4727	1213	0.00	1.0000
Intercept		32	0.5724	0.7178	1213	0.80	0.4254

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
rater	JW	32	0.2313	0.4777	1213	0.48	0.6283
rater	VH	32	-0.1673	0.4613	1213	-0.36	0.7170
Intercept		33	-0.05557	0.8247	1213	-0.07	0.9463
rater	JW	33	-0.00621	0.4550	1213	-0.01	0.9891
rater	VH	33	0	0.4727	1213	0.00	1.0000
Intercept		34	0.5724	0.7178	1213	0.80	0.4254
rater	JW	34	0.2313	0.4777	1213	0.48	0.6283
rater	VH	34	-0.1673	0.4613	1213	-0.36	0.7170
Intercept		35	-1.5147	0.6227	1213	-2.43	0.0151
rater	JW	35	0.1773	0.4476	1213	0.40	0.6920
rater	VH	35	-0.3467	0.4960	1213	-0.70	0.4847
Intercept		36	1.6724	0.9247	1213	1.81	0.0708
rater	JW	36	0.1004	0.4662	1213	0.22	0.8295
rater	VH	36	0.08659	0.4653	1213	0.19	0.8524
Intercept		37	-0.8373	0.8330	1213	-1.01	0.3150
rater	JW	37	-0.09363	0.4612	1213	-0.20	0.8391
rater	VH	37	0	0.4727	1213	0.00	1.0000
Intercept		38	1.6724	0.9247	1213	1.81	0.0708
rater	JW	38	0.1004	0.4662	1213	0.22	0.8295
rater	VH	38	0.08659	0.4653	1213	0.19	0.8524
Intercept		39	-0.5560	0.8030	1213	-0.69	0.4888
rater	JW	39	-0.06217	0.4571	1213	-0.14	0.8918
rater	VH	39	0	0.4727	1213	0.00	1.0000
Intercept		40	-2.5739	0.7212	1213	-3.57	0.0004
rater	JW	40	-0.1900	0.4702	1213	-0.40	0.6862
rater	VH	40	-0.09781	0.4554	1213	-0.21	0.8300
Intercept		41	-0.5382	0.7983	1213	-0.67	0.5004
rater	JW	41	-0.06018	0.4568	1213	-0.13	0.8952
rater	VH	41	0	0.4727	1213	0.00	1.0000
Intercept		42	-0.06087	0.8260	1213	-0.07	0.9413
rater	JW	42	-0.00681	0.4550	1213	-0.01	0.9881
rater	VH	42	0	0.4727	1213	0.00	1.0000
Intercept		43	0.5092	0.8866	1213	0.57	0.5659
rater	JW	43	0.05694	0.4586	1213	0.12	0.9012
rater	VH	43	0	0.4727	1213	0.00	1.0000
Intercept		44	-0.5434	0.7997	1213	-0.68	0.4969
rater	JW	44	-0.06076	0.4569	1213	-0.13	0.8942
rater	VH	44	0	0.4727	1213	0.00	1.0000
Intercept		45	0.5069	0.8871	1213	0.57	0.5678
rater	JW	45	0.05668	0.4585	1213	0.12	0.9016
rater	VH	45	0	0.4727	1213	0.00	1.0000
Intercept		46	-0.05594	0.8248	1213	-0.07	0.9459
rater	JW	46	-0.00625	0.4550	1213	-0.01	0.9890
rater	VH	46	0	0.4727	1213	0.00	1.0000
Intercept		47	0.5709	0.7176	1213	0.80	0.4264
rater	JW	47	0.04652	0.4488	1213	0.10	0.9175
rater	VH	47	0.01732	0.4483	1213	0.04	0.9692
Intercept		48	-0.05594	0.8248	1213	-0.07	0.9459
rater	JW	48	-0.00625	0.4550	1213	-0.01	0.9890
rater	VH	48	0	0.4727	1213	0.00	1.0000
Intercept		49	-0.7212	0.6223	1213	-1.16	0.2467
rater	JW	49	0.1444	0.4458	1213	0.32	0.7461
rater	VH	49	-0.2250	0.4627	1213	-0.49	0.6268
Intercept		50	-2.2988	0.6356	1213	-3.62	0.0003
rater	JW	50	-0.1069	0.4470	1213	-0.24	0.8110
rater	VH	50	-0.1501	0.4541	1213	-0.33	0.7410
Intercept		51	0.5069	0.8871	1213	0.57	0.5678
rater	JW	51	0.05668	0.4585	1213	0.12	0.9016
rater	VH	51	0	0.4727	1213	0.00	1.0000
Intercept		52	1.2565	1.0161	1213	1.24	0.2165
rater	JW	52	0.1405	0.4730	1213	0.30	0.7665
rater	VH	52	0	0.4727	1213	0.00	1.0000
Intercept		53	1.6724	0.9247	1213	1.81	0.0708
rater	JW	53	0.1004	0.4662	1213	0.22	0.8295
rater	VH	53	0.08659	0.4653	1213	0.19	0.8524

Results: Modeling.sas

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
Intercept		54	-2.2321	0.6535	1213	-3.42	0.0007
rater	JW	54	-0.1048	0.4487	1213	-0.23	0.8155
rater	VH	54	-0.1448	0.4553	1213	-0.32	0.7505
Intercept		55	0.5726	0.7178	1213	0.80	0.4252
rater	JW	55	0.2313	0.4777	1213	0.48	0.6284
rater	VH	55	-0.1672	0.4613	1213	-0.36	0.7170
Intercept		56	1.0374	0.7922	1213	1.31	0.1906
rater	JW	56	0.1661	0.4703	1213	0.35	0.7240
rater	VH	56	-0.05011	0.4540	1213	-0.11	0.9121
Intercept		57	-0.8484	0.8271	1213	-1.03	0.3052
rater	JW	57	-0.09487	0.4612	1213	-0.21	0.8370
rater	VH	57	0	0.4727	1213	0.00	1.0000
Intercept		58	-0.5482	0.8009	1213	-0.68	0.4938
rater	JW	58	-0.06130	0.4570	1213	-0.13	0.8933
rater	VH	58	0	0.4727	1213	0.00	1.0000
Intercept		59	-0.06254	0.8264	1213	-0.08	0.9397
rater	JW	59	-0.00699	0.4550	1213	-0.02	0.9877
rater	VH	59	0	0.4727	1213	0.00	1.0000
Intercept		60	0.5669	0.7182	1213	0.79	0.4301
rater	JW	60	0.04626	0.4488	1213	0.10	0.9179
rater	VH	60	0.01713	0.4484	1213	0.04	0.9695
Intercept		61	-0.5382	0.7983	1213	-0.67	0.5004
rater	JW	61	-0.06018	0.4568	1213	-0.13	0.8952
rater	VH	61	0	0.4727	1213	0.00	1.0000
Intercept		62	-1.3439	0.8359	1213	-1.61	0.1082
rater	JW	62	-0.1503	0.4705	1213	-0.32	0.7495
rater	VH	62	0	0.4727	1213	0.00	1.0000
Intercept		63	-1.8807	0.8146	1213	-2.31	0.0211
rater	JW	63	-0.2103	0.4843	1213	-0.43	0.6642
rater	VH	63	0	0.4727	1213	0.00	1.0000
Intercept		64	-0.5382	0.7983	1213	-0.67	0.5004
rater	JW	64	-0.06018	0.4568	1213	-0.13	0.8952
rater	VH	64	0	0.4727	1213	0.00	1.0000
Intercept		65	-0.7285	0.6237	1213	-1.17	0.2430
rater	JW	65	0.1479	0.4462	1213	0.33	0.7404
rater	VH	65	-0.2294	0.4640	1213	-0.49	0.6211
Intercept		66	-0.4509	0.6333	1213	-0.71	0.4767
rater	JW	66	-0.08996	0.4430	1213	-0.20	0.8391
rater	VH	66	0.03954	0.4399	1213	0.09	0.9284
Intercept		67	-1.0974	0.6473	1213	-1.70	0.0903
rater	JW	67	-0.04180	0.4419	1213	-0.09	0.9246
rater	VH	67	-0.08091	0.4453	1213	-0.18	0.8558
Intercept		68	1.0374	0.7922	1213	1.31	0.1906
rater	JW	68	0.1661	0.4703	1213	0.35	0.7240
rater	VH	68	-0.05011	0.4540	1213	-0.11	0.9121
Intercept		69	-0.9997	0.7962	1213	-1.26	0.2095
rater	JW	69	-0.1118	0.4629	1213	-0.24	0.8092
rater	VH	69	0	0.4727	1213	0.00	1.0000
Intercept		70	0.5702	0.7177	1213	0.79	0.4271
rater	JW	70	0.04632	0.4488	1213	0.10	0.9178
rater	VH	70	0.01744	0.4483	1213	0.04	0.9690
Intercept		71	-2.0426	0.6674	1213	-3.06	0.0023
rater	JW	71	-0.01228	0.4427	1213	-0.03	0.9779
rater	VH	71	-0.2161	0.4705	1213	-0.46	0.6461
Intercept		72	0.1895	0.6731	1213	0.28	0.7783
rater	JW	72	0.1163	0.4508	1213	0.26	0.7965
rater	VH	72	-0.09510	0.4481	1213	-0.21	0.8320
Intercept		73	-0.4375	0.6308	1213	-0.69	0.4881
rater	JW	73	-0.08916	0.4426	1213	-0.20	0.8404
rater	VH	73	0.04023	0.4396	1213	0.09	0.9271
Intercept		74	0.5695	0.7178	1213	0.79	0.4277
rater	JW	74	0.04643	0.4488	1213	0.10	0.9176
rater	VH	74	0.01725	0.4483	1213	0.04	0.9693
Intercept		75	0.5089	0.8866	1213	0.57	0.5661
rater	JW	75	0.05691	0.4586	1213	0.12	0.9013

Solution for Random Effects							
Effect	**rater**	**Subject**	**Estimate**	**Std Err Pred**	**DF**	**t Value**	**Pr > |t|**
rater	VH	75	0	0.4727	1213	0.00	1.0000
Intercept		76	-2.2282	0.6587	1213	-3.38	0.0007
rater	JW	76	-0.4245	0.5301	1213	-0.80	0.4234
rater	VH	76	0.1753	0.4501	1213	0.39	0.6969
Intercept		77	1.0433	0.7927	1213	1.32	0.1883
rater	JW	77	-0.02802	0.4524	1213	-0.06	0.9506
rater	VH	77	0.1447	0.4672	1213	0.31	0.7568
Intercept		78	-1.7771	0.6273	1213	-2.83	0.0047
rater	JW	78	0.08150	0.4388	1213	0.19	0.8527
rater	VH	78	-0.2802	0.4794	1213	-0.58	0.5590
Intercept		79	0.5060	0.8873	1213	0.57	0.5685
rater	JW	79	0.05659	0.4585	1213	0.12	0.9018
rater	VH	79	0	0.4727	1213	0.00	1.0000
Intercept		80	1.6724	0.9247	1213	1.81	0.0708
rater	JW	80	0.1004	0.4662	1213	0.22	0.8295
rater	VH	80	0.08659	0.4653	1213	0.19	0.8524
Intercept		81	0.1938	0.6739	1213	0.29	0.7737
rater	JW	81	-0.06091	0.4447	1213	-0.14	0.8911
rater	VH	81	0.08259	0.4479	1213	0.18	0.8537
Intercept		82	1.2565	1.0161	1213	1.24	0.2165
rater	JW	82	0.1405	0.4730	1213	0.30	0.7665
rater	VH	82	0	0.4727	1213	0.00	1.0000
Intercept		83	0.4472	0.7273	1213	0.61	0.5388
rater	JW	83	0.06834	0.4503	1213	0.15	0.8794
rater	VH	83	-0.01834	0.4502	1213	-0.04	0.9675
Intercept		84	0.2075	0.6774	1213	0.31	0.7594
rater	JW	84	-0.2388	0.4699	1213	-0.51	0.6114
rater	VH	84	0.2620	0.4796	1213	0.55	0.5849
Intercept		85	-0.1321	0.6480	1213	-0.20	0.8386
rater	JW	85	-0.1608	0.4525	1213	-0.36	0.7223
rater	VH	85	0.1461	0.4513	1213	0.32	0.7463
Intercept		86	-0.06227	0.8263	1213	-0.08	0.9399
rater	JW	86	-0.00696	0.4550	1213	-0.02	0.9878
rater	VH	86	0	0.4727	1213	0.00	1.0000
Intercept		87	-1.0077	0.7985	1213	-1.26	0.2072
rater	JW	87	-0.1127	0.4630	1213	-0.24	0.8078
rater	VH	87	0	0.4727	1213	0.00	1.0000
Intercept		88	-0.7089	0.6195	1213	-1.14	0.2527
rater	JW	88	-0.01792	0.4375	1213	-0.04	0.9673
rater	VH	88	-0.06134	0.4400	1213	-0.14	0.8892
Intercept		89	-2.2988	0.6356	1213	-3.62	0.0003
rater	JW	89	-0.1069	0.4470	1213	-0.24	0.8110
rater	VH	89	-0.1501	0.4541	1213	-0.33	0.7410
Intercept		90	-0.5478	0.8008	1213	-0.68	0.4941
rater	JW	90	-0.06126	0.4570	1213	-0.13	0.8934
rater	VH	90	0	0.4727	1213	0.00	1.0000
Intercept		91	1.0452	0.7924	1213	1.32	0.1874
rater	JW	91	-0.02761	0.4523	1213	-0.06	0.9513
rater	VH	91	0.1445	0.4672	1213	0.31	0.7572
Intercept		92	-0.1523	0.6484	1213	-0.23	0.8144
rater	JW	92	0.01065	0.4407	1213	0.02	0.9807
rater	VH	92	-0.02768	0.4417	1213	-0.06	0.9501
Intercept		93	1.6724	0.9247	1213	1.81	0.0708
rater	JW	93	0.1004	0.4662	1213	0.22	0.8295
rater	VH	93	0.08659	0.4653	1213	0.19	0.8524
Intercept		94	0.4522	0.7276	1213	0.62	0.5344
rater	JW	94	0.01403	0.4492	1213	0.03	0.9751
rater	VH	94	0.03654	0.4489	1213	0.08	0.9351
Intercept		95	0.1906	0.6730	1213	0.28	0.7771
rater	JW	95	0.1166	0.4508	1213	0.26	0.7959
rater	VH	95	-0.09531	0.4481	1213	-0.21	0.8316
Intercept		96	1.2565	1.0161	1213	1.24	0.2165
rater	JW	96	0.1405	0.4730	1213	0.30	0.7665
rater	VH	96	0	0.4727	1213	0.00	1.0000
Intercept		97	-0.05594	0.8248	1213	-0.07	0.9459

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
rater	JW	97	-0.00625	0.4550	1213	-0.01	0.9890
rater	VH	97	0	0.4727	1213	0.00	1.0000
Intercept		98	0.5069	0.8871	1213	0.57	0.5678
rater	JW	98	0.05668	0.4585	1213	0.12	0.9016
rater	VH	98	0	0.4727	1213	0.00	1.0000
Intercept		99	-0.5454	0.8002	1213	-0.68	0.4957
rater	JW	99	-0.06098	0.4570	1213	-0.13	0.8939
rater	VH	99	0	0.4727	1213	0.00	1.0000
Intercept		100	-1.4304	0.8004	1213	-1.79	0.0742
rater	JW	100	-0.1599	0.4717	1213	-0.34	0.7346
rater	VH	100	0	0.4727	1213	0.00	1.0000
Intercept		101	1.2565	1.0161	1213	1.24	0.2165
rater	JW	101	0.1405	0.4730	1213	0.30	0.7665
rater	VH	101	0	0.4727	1213	0.00	1.0000
Intercept		102	-0.9963	0.7953	1213	-1.25	0.2106
rater	JW	102	-0.1114	0.4628	1213	-0.24	0.8098
rater	VH	102	0	0.4727	1213	0.00	1.0000
Intercept		103	1.0374	0.7922	1213	1.31	0.1906
rater	JW	103	0.1661	0.4703	1213	0.35	0.7240
rater	VH	103	-0.05011	0.4540	1213	-0.11	0.9121
Intercept		104	0.5805	0.7198	1213	0.81	0.4201
rater	JW	104	-0.1389	0.4561	1213	-0.30	0.7608
rater	VH	104	0.2038	0.4722	1213	0.43	0.6661
Intercept		105	1.2565	1.0161	1213	1.24	0.2165
rater	JW	105	0.1405	0.4730	1213	0.30	0.7665
rater	VH	105	0	0.4727	1213	0.00	1.0000
Intercept		106	0.5089	0.8866	1213	0.57	0.5661
rater	JW	106	0.05691	0.4586	1213	0.12	0.9013
rater	VH	106	0	0.4727	1213	0.00	1.0000
Intercept		107	-0.6114	0.6448	1213	-0.95	0.3431
rater	JW	107	-0.1469	0.4522	1213	-0.32	0.7454
rater	VH	107	0.07850	0.4421	1213	0.18	0.8591
Intercept		108	-1.2532	0.6189	1213	-2.02	0.0431
rater	JW	108	-0.04804	0.4389	1213	-0.11	0.9129
rater	VH	108	-0.09210	0.4430	1213	-0.21	0.8353
Intercept		109	1.6724	0.9247	1213	1.81	0.0708
rater	JW	109	0.1004	0.4662	1213	0.22	0.8295
rater	VH	109	0.08659	0.4653	1213	0.19	0.8524
Intercept		110	-0.4239	0.6325	1213	-0.67	0.5029
rater	JW	110	-0.2543	0.4683	1213	-0.54	0.5871
rater	VH	110	0.2069	0.4577	1213	0.45	0.6513
Intercept		111	0.5092	0.8866	1213	0.57	0.5659
rater	JW	111	0.05694	0.4586	1213	0.12	0.9012
rater	VH	111	0	0.4727	1213	0.00	1.0000
Intercept		112	-0.1465	0.6474	1213	-0.23	0.8210
rater	JW	112	0.01105	0.4406	1213	0.03	0.9800
rater	VH	112	-0.02743	0.4416	1213	-0.06	0.9505
Intercept		113	-0.5535	0.8023	1213	-0.69	0.4904
rater	JW	113	-0.06189	0.4571	1213	-0.14	0.8923
rater	VH	113	0	0.4727	1213	0.00	1.0000
Intercept		114	1.2565	1.0161	1213	1.24	0.2165
rater	JW	114	0.1405	0.4730	1213	0.30	0.7665
rater	VH	114	0	0.4727	1213	0.00	1.0000
Intercept		115	-0.06565	0.8271	1213	-0.08	0.9367
rater	JW	115	-0.00734	0.4550	1213	-0.02	0.9871
rater	VH	115	0	0.4727	1213	0.00	1.0000
Intercept		116	1.6724	0.9247	1213	1.81	0.0708
rater	JW	116	0.1004	0.4662	1213	0.22	0.8295
rater	VH	116	0.08659	0.4653	1213	0.19	0.8524
Intercept		117	0.5089	0.8866	1213	0.57	0.5661
rater	JW	117	0.05691	0.4586	1213	0.12	0.9013
rater	VH	117	0	0.4727	1213	0.00	1.0000
Intercept		118	0.5089	0.8866	1213	0.57	0.5661
rater	JW	118	0.05691	0.4586	1213	0.12	0.9013
rater	VH	118	0	0.4727	1213	0.00	1.0000

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
Intercept		119	0.5851	0.7190	1213	0.81	0.4160
rater	JW	119	-0.1377	0.4558	1213	-0.30	0.7626
rater	VH	119	0.2031	0.4721	1213	0.43	0.6671
Intercept		120	-2.8000	0.6537	1213	-4.28	<.0001
rater	JW	120	-0.1356	0.4534	1213	-0.30	0.7649
rater	VH	120	-0.1775	0.4619	1213	-0.38	0.7008
Intercept		121	-1.3482	0.8353	1213	-1.61	0.1068
rater	JW	121	-0.1508	0.4706	1213	-0.32	0.7488
rater	VH	121	0	0.4727	1213	0.00	1.0000
Intercept		122	-0.1294	0.6476	1213	-0.20	0.8417
rater	JW	122	-0.1600	0.4523	1213	-0.35	0.7236
rater	VH	122	0.1455	0.4512	1213	0.32	0.7471
Intercept		123	1.6724	0.9247	1213	1.81	0.0708
rater	JW	123	0.1004	0.4662	1213	0.22	0.8295
rater	VH	123	0.08659	0.4653	1213	0.19	0.8524
Intercept		124	0.5092	0.8866	1213	0.57	0.5659
rater	JW	124	0.05694	0.4586	1213	0.12	0.9012
rater	VH	124	0	0.4727	1213	0.00	1.0000
Intercept		125	-0.4222	0.6344	1213	-0.67	0.5059
rater	JW	125	0.4170	0.5132	1213	0.81	0.4167
rater	VH	125	-0.4642	0.5319	1213	-0.87	0.3830
Intercept		126	-1.4304	0.8004	1213	-1.79	0.0742
rater	JW	126	-0.1599	0.4717	1213	-0.34	0.7346
rater	VH	126	0	0.4727	1213	0.00	1.0000
Intercept		127	-2.2928	0.8413	1213	-2.73	0.0065
rater	JW	127	-0.2564	0.4987	1213	-0.51	0.6073
rater	VH	127	0	0.4727	1213	0.00	1.0000
Intercept		128	-0.7182	0.6217	1213	-1.16	0.2482
rater	JW	128	0.1464	0.4459	1213	0.33	0.7427
rater	VH	128	-0.2267	0.4630	1213	-0.49	0.6245
Intercept		129	-0.5462	0.8004	1213	-0.68	0.4951
rater	JW	129	-0.06108	0.4570	1213	-0.13	0.8937
rater	VH	129	0	0.4727	1213	0.00	1.0000
Intercept		130	-0.5448	0.8000	1213	-0.68	0.4960
rater	JW	130	-0.06092	0.4569	1213	-0.13	0.8940
rater	VH	130	0	0.4727	1213	0.00	1.0000
Intercept		131	0.5669	0.7182	1213	0.79	0.4301
rater	JW	131	0.04626	0.4488	1213	0.10	0.9179
rater	VH	131	0.01713	0.4484	1213	0.04	0.9695
Intercept		132	-0.9772	0.6163	1213	-1.59	0.1131
rater	JW	132	-0.1145	0.4440	1213	-0.26	0.7965
rater	VH	132	0.005256	0.4370	1213	0.01	0.9904
Intercept		133	-0.5535	0.8023	1213	-0.69	0.4904
rater	JW	133	-0.06189	0.4571	1213	-0.14	0.8923
rater	VH	133	0	0.4727	1213	0.00	1.0000
Intercept		134	1.0367	0.7923	1213	1.31	0.1909
rater	JW	134	0.1662	0.4703	1213	0.35	0.7238
rater	VH	134	-0.05027	0.4541	1213	-0.11	0.9119
Intercept		135	0.1946	0.6738	1213	0.29	0.7728
rater	JW	135	-0.06022	0.4447	1213	-0.14	0.8923
rater	VH	135	0.08198	0.4478	1213	0.18	0.8548
Intercept		136	-3.5165	0.6688	1213	-5.26	<.0001
rater	JW	136	-0.2530	0.4802	1213	-0.53	0.5984
rater	VH	136	-0.1402	0.4573	1213	-0.31	0.7592
Intercept		137	-0.1483	0.6477	1213	-0.23	0.8190
rater	JW	137	0.01092	0.4407	1213	0.02	0.9802
rater	VH	137	-0.02751	0.4416	1213	-0.06	0.9503
Intercept		138	1.0445	0.7925	1213	1.32	0.1877
rater	JW	138	-0.02776	0.4523	1213	-0.06	0.9511
rater	VH	138	0.1446	0.4672	1213	0.31	0.7570
Intercept		139	1.2565	1.0161	1213	1.24	0.2165
rater	JW	139	0.1405	0.4730	1213	0.30	0.7665
rater	VH	139	0	0.4727	1213	0.00	1.0000
Intercept		140	-0.5529	0.8021	1213	-0.69	0.4908
rater	JW	140	-0.06183	0.4571	1213	-0.14	0.8924

			Solution for Random Effects				
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > |t|
rater	VH	140	0	0.4727	1213	0.00	1.0000
Intercept		141	0.5695	0.7178	1213	0.79	0.4277
rater	JW	141	0.04643	0.4488	1213	0.10	0.9176
rater	VH	141	0.01725	0.4483	1213	0.04	0.9693
Intercept		142	-0.06565	0.8271	1213	-0.08	0.9367
rater	JW	142	-0.00734	0.4550	1213	-0.02	0.9871
rater	VH	142	0	0.4727	1213	0.00	1.0000
Intercept		143	1.6724	0.9247	1213	1.81	0.0708
rater	JW	143	0.1004	0.4662	1213	0.22	0.8295
rater	VH	143	0.08659	0.4653	1213	0.19	0.8524
Intercept		144	-0.05594	0.8248	1213	-0.07	0.9459
rater	JW	144	-0.00625	0.4550	1213	-0.01	0.9890
rater	VH	144	0	0.4727	1213	0.00	1.0000
Intercept		145	0.3352	0.7383	1213	0.45	0.6499
rater	JW	145	0.03221	0.4497	1213	0.07	0.9429
rater	VH	145	0.005266	0.4497	1213	0.01	0.9907
Intercept		146	-0.1446	0.6471	1213	-0.22	0.8233
rater	JW	146	0.01118	0.4406	1213	0.03	0.9798
rater	VH	146	-0.02735	0.4416	1213	-0.06	0.9506
Intercept		147	-0.5529	0.8021	1213	-0.69	0.4908
rater	JW	147	-0.06183	0.4571	1213	-0.14	0.8924
rater	VH	147	0	0.4727	1213	0.00	1.0000
Intercept		148	-0.1419	0.6466	1213	-0.22	0.8264
rater	JW	148	0.01137	0.4405	1213	0.03	0.9794
rater	VH	148	-0.02723	0.4415	1213	-0.06	0.9508
Intercept		149	-1.0043	0.6220	1213	-1.61	0.1066
rater	JW	149	-0.1178	0.4452	1213	-0.26	0.7913
rater	VH	149	0.005527	0.4377	1213	0.01	0.9899
Intercept		150	-3.3149	0.6534	1213	-5.07	<.0001
rater	JW	150	-0.1633	0.4583	1213	-0.36	0.7217
rater	VH	150	-0.2074	0.4687	1213	-0.44	0.6582
Intercept		151	-0.1366	0.6457	1213	-0.21	0.8325
rater	JW	151	0.01173	0.4404	1213	0.03	0.9788
rater	VH	151	-0.02701	0.4414	1213	-0.06	0.9512
Intercept		152	0.5842	0.7192	1213	0.81	0.4168
rater	JW	152	-0.1379	0.4559	1213	-0.30	0.7623
rater	VH	152	0.2033	0.4721	1213	0.43	0.6669
Intercept		153	-0.05594	0.8248	1213	-0.07	0.9459
rater	JW	153	-0.00625	0.4550	1213	-0.01	0.9890
rater	VH	153	0	0.4727	1213	0.00	1.0000
Intercept		154	-1.4429	0.8042	1213	-1.79	0.0730
rater	JW	154	-0.1613	0.4721	1213	-0.34	0.7326
rater	VH	154	0	0.4727	1213	0.00	1.0000
Intercept		155	-0.7249	0.6246	1213	-1.16	0.2461
rater	JW	155	-0.1847	0.4545	1213	-0.41	0.6845
rater	VH	155	0.1036	0.4419	1213	0.23	0.8146
Intercept		156	-0.06217	0.8263	1213	-0.08	0.9400
rater	JW	156	-0.00695	0.4550	1213	-0.02	0.9878
rater	VH	156	0	0.4727	1213	0.00	1.0000
Intercept		157	-1.4379	0.8027	1213	-1.79	0.0735
rater	JW	157	-0.1608	0.4720	1213	-0.34	0.7334
rater	VH	157	0	0.4727	1213	0.00	1.0000
Intercept		158	-0.05779	0.8253	1213	-0.07	0.9442
rater	JW	158	-0.00646	0.4550	1213	-0.01	0.9887
rater	VH	158	0	0.4727	1213	0.00	1.0000
Intercept		159	1.2565	1.0161	1213	1.24	0.2165
rater	JW	159	0.1405	0.4730	1213	0.30	0.7665
rater	VH	159	0	0.4727	1213	0.00	1.0000
Intercept		160	1.2565	1.0161	1213	1.24	0.2165
rater	JW	160	0.1405	0.4730	1213	0.30	0.7665
rater	VH	160	0	0.4727	1213	0.00	1.0000
Intercept		161	-1.0119	0.6574	1213	-1.54	0.1240
rater	JW	161	-0.03786	0.4428	1213	-0.09	0.9319
rater	VH	161	-0.07530	0.4458	1213	-0.17	0.8659

Estimates

Label	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
RUL vs RML	-0.1984	0.2083	1213	-0.95	0.3409	0.05	-0.6071	0.2102
RUL vs RLL	0.5131	0.2157	1213	2.38	0.0175	0.05	0.09003	0.9363
RUL vs LUS	1.4926	0.2422	1213	6.16	<.0001	0.05	1.0174	1.9677
RUL vs LLS	0.04421	0.2088	1213	0.21	0.8324	0.05	-0.3655	0.4539
RUL vs LLL	0.8000	0.2206	1213	3.63	0.0003	0.05	0.3673	1.2327
RML vs RLL	0.7116	0.2153	1213	3.30	0.0010	0.05	0.2891	1.1341
RML vs LUS	1.6910	0.2428	1213	6.96	<.0001	0.05	1.2146	2.1674
RML vs LLS	0.2427	0.2080	1213	1.17	0.2436	0.05	-0.1654	0.6507
RML vs LLL	0.9984	0.2206	1213	4.53	<.0001	0.05	0.5656	1.4312
RLL vs LUS	0.9794	0.2451	1213	4.00	<.0001	0.05	0.4986	1.4603
RLL vs LLS	-0.4689	0.2153	1213	-2.18	0.0296	0.05	-0.8913	-0.04656
RLL vs LLL	0.2868	0.2249	1213	1.28	0.2024	0.05	-0.1544	0.7281
LUS vs LLS	-1.4484	0.2420	1213	-5.99	<.0001	0.05	-1.9231	-0.9737
LUS vs LLL	-0.6926	0.2477	1213	-2.80	0.0052	0.05	-1.1785	-0.2067
LLS vs LLL	0.7558	0.2202	1213	3.43	0.0006	0.05	0.3237	1.1879

Significant Pairwise Comparisons for cons

Comparison	P-Value	Exponentiated Estimate (Odds Ratio)
RUL vs RLL	0.0175	1.67054
RUL vs LUS	<.0001	4.44851
RUL vs LLL	0.0003	2.22551
RML vs RLL	0.0010	2.03723
RML vs LUS	<.0001	5.42497
RML vs LLL	<.0001	2.71401
RLL vs LUS	<.0001	2.66291
RLL vs LLS	0.0296	0.62566
LUS vs LLS	<.0001	0.23495
LUS vs LLL	0.0052	0.50028
LLS vs LLL	0.0006	2.12927