

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	391
2	1	818
3	2	217
4	3	38
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	3

Iteration History					
Iteration	Restarts	Evaluations	Objective Function	Change	Max Gradient
0	0	4	2670.7254994	.	235.2164
1	0	2	2569.8100089	100.91549058	77.51486
2	0	4	2526.0581111	43.75189779	34.99572
3	0	2	2513.4684524	12.58965872	22.30781
4	0	2	2505.5662562	7.90219616	14.56342
5	0	4	2500.4563024	5.10995385	11.28573
6	0	3	2497.9964977	2.45980471	7.545902
7	0	3	2497.3169181	0.67957958	2.869291
8	0	3	2497.1115032	0.20541490	2.224015
9	0	3	2496.9888961	0.12260707	1.167096
10	0	3	2496.9769832	0.01191289	0.18851
11	0	3	2496.9745987	0.00238451	0.196803
12	0	2	2496.9732881	0.00131058	0.452163
13	0	2	2496.9713565	0.00193158	0.093952
14	0	3	2496.9705742	0.00078230	0.077029
15	0	3	2496.9705137	0.00006053	0.006019
16	0	3	2496.9705132	0.00000047	0.000432

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

Fit Statistics	
-2 Log Likelihood	2496.97
AIC (smaller is better)	2518.97
AICC (smaller is better)	2519.15
BIC (smaller is better)	2552.87
CAIC (smaller is better)	2563.87
HQIC (smaller is better)	2532.73

Fit Statistics for Conditional Distribution	
-2 log L(Value r. effects)	1974.46

Covariance Parameter Estimates			
Cov Parm	Subject	Estimate	Standard Error
Intercept	newID	3.8608	0.5954
rater	newID	0.2935	0.1727

Solutions for Fixed Effects								
Effect	Value	Attribute	rater	Estimate	Standard Error	DF	t Value	Pr > t
Intercept	0			-2.5632	0.2623	82	-9.77	<.0001
Intercept	1			1.6514	0.2529	82	6.53	<.0001
Intercept	2			4.4965	0.3152	82	14.27	<.0001
Attribute		RUL		0.3742	0.1997	1213	1.87	0.0613
Attribute		RML		0.1444	0.2005	1213	0.72	0.4714
Attribute		RLL		-0.2216	0.1975	1213	-1.12	0.2621
Attribute		LUS		1.6517	0.2108	1213	7.84	<.0001
Attribute		LLS		0.5836	0.2012	1213	2.90	0.0038
Attribute		LLL		0
rater			JW	0.5246	0.1622	82	3.23	0.0018
rater			VH	0

Type III Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Attribute	5	1213	18.98	<.0001
rater	1	82	10.46	0.0018

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > t
Intercept		1	-0.8567	0.7023	1213	-1.22	0.2228
rater	JW	1	-0.1049	0.5013	1213	-0.21	0.8343
rater	VH	1	0.03975	0.4986	1213	0.08	0.9365
Intercept		2	1.4131	0.6940	1213	2.04	0.0420
rater	JW	2	0.4849	0.5415	1213	0.90	0.3707
rater	VH	2	-0.3775	0.5203	1213	-0.73	0.4683
Intercept		3	0.3358	0.9798	1213	0.34	0.7319
rater	JW	3	0.02553	0.5263	1213	0.05	0.9613
rater	VH	3	0	0.5418	1213	0.00	1.0000
Intercept		4	-3.8550	0.6814	1213	-5.66	<.0001
rater	JW	4	-0.7368	0.5902	1213	-1.25	0.2122
rater	VH	4	0.4437	0.5160	1213	0.86	0.3900
Intercept		5	0.7827	0.9145	1213	0.86	0.3923
rater	JW	5	0.05950	0.5265	1213	0.11	0.9100
rater	VH	5	0	0.5418	1213	0.00	1.0000
Intercept		6	0.2557	0.9636	1213	0.27	0.7908
rater	JW	6	0.01944	0.5260	1213	0.04	0.9705
rater	VH	6	0	0.5418	1213	0.00	1.0000
Intercept		7	-4.1121	0.8886	1213	-4.63	<.0001
rater	JW	7	-0.3126	0.5551	1213	-0.56	0.5734
rater	VH	7	0	0.5418	1213	0.00	1.0000
Intercept		8	-0.9717	0.9318	1213	-1.04	0.2973
rater	JW	8	-0.07387	0.5273	1213	-0.14	0.8886
rater	VH	8	0	0.5418	1213	0.00	1.0000
Intercept		9	0.4271	0.7177	1213	0.60	0.5519
rater	JW	9	-0.05217	0.5009	1213	-0.10	0.9171
rater	VH	9	0.08464	0.5025	1213	0.17	0.8663

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > t
Intercept		10	-0.9741	0.9300	1213	-1.05	0.2951
rater	JW	10	-0.07406	0.5273	1213	-0.14	0.8883
rater	VH	10	0	0.5418	1213	0.00	1.0000
Intercept		11	1.8875	0.9138	1213	2.07	0.0391
rater	JW	11	0.1435	0.5318	1213	0.27	0.7873
rater	VH	11	0	0.5418	1213	0.00	1.0000
Intercept		12	-0.9717	0.9318	1213	-1.04	0.2973
rater	JW	12	-0.07387	0.5273	1213	-0.14	0.8886
rater	VH	12	0	0.5418	1213	0.00	1.0000
Intercept		13	-1.5199	0.9079	1213	-1.67	0.0944
rater	JW	13	-0.1155	0.5295	1213	-0.22	0.8273
rater	VH	13	0	0.5418	1213	0.00	1.0000
Intercept		14	0.9391	0.9535	1213	0.98	0.3249
rater	JW	14	0.07139	0.5274	1213	0.14	0.8923
rater	VH	14	0	0.5418	1213	0.00	1.0000
Intercept		15	2.0134	0.6908	1213	2.91	0.0036
rater	JW	15	-0.1017	0.4972	1213	-0.20	0.8380
rater	VH	15	0.2547	0.5102	1213	0.50	0.6177
Intercept		16	1.7366	0.7002	1213	2.48	0.0133
rater	JW	16	0.6020	0.5658	1213	1.06	0.2875
rater	VH	16	-0.4700	0.5330	1213	-0.88	0.3781
Intercept		17	-2.6300	0.6809	1213	-3.86	0.0001
rater	JW	17	-0.4186	0.5305	1213	-0.79	0.4302
rater	VH	17	0.2187	0.4994	1213	0.44	0.6616
Intercept		18	-1.0930	0.9780	1213	-1.12	0.2640
rater	JW	18	-0.08309	0.5282	1213	-0.16	0.8750
rater	VH	18	0	0.5418	1213	0.00	1.0000
Intercept		19	1.3208	0.9067	1213	1.46	0.1455
rater	JW	19	0.1004	0.5285	1213	0.19	0.8493
rater	VH	19	0	0.5418	1213	0.00	1.0000
Intercept		20	-2.3804	0.7536	1213	-3.16	0.0016
rater	JW	20	0.2369	0.5130	1213	0.46	0.6443
rater	VH	20	-0.4179	0.5451	1213	-0.77	0.4434
Intercept		21	-2.4669	0.8679	1213	-2.84	0.0046
rater	JW	21	-0.1875	0.5359	1213	-0.35	0.7264
rater	VH	21	0	0.5418	1213	0.00	1.0000
Intercept		22	-3.2191	0.9231	1213	-3.49	0.0005
rater	JW	22	-0.2447	0.5440	1213	-0.45	0.6529
rater	VH	22	0	0.5418	1213	0.00	1.0000
Intercept		23	-0.4124	1.0236	1213	-0.40	0.6871
rater	JW	23	-0.03135	0.5269	1213	-0.06	0.9526
rater	VH	23	0	0.5418	1213	0.00	1.0000
Intercept		24	2.6871	0.7276	1213	3.69	0.0002
rater	JW	24	0.1414	0.5081	1213	0.28	0.7809
rater	VH	24	0.06290	0.5024	1213	0.13	0.9004
Intercept		25	4.1793	0.9840	1213	4.25	<.0001
rater	JW	25	0.1266	0.5282	1213	0.24	0.8106
rater	VH	25	0.1911	0.5314	1213	0.36	0.7191
Intercept		26	3.0650	0.7652	1213	4.01	<.0001
rater	JW	26	0.05588	0.5080	1213	0.11	0.9124
rater	VH	26	0.1771	0.5136	1213	0.34	0.7302
Intercept		27	2.4903	0.9679	1213	2.57	0.0102
rater	JW	27	0.1893	0.5370	1213	0.35	0.7245
rater	VH	27	0	0.5418	1213	0.00	1.0000
Intercept		28	-3.2191	0.9231	1213	-3.49	0.0005
rater	JW	28	-0.2447	0.5440	1213	-0.45	0.6529
rater	VH	28	0	0.5418	1213	0.00	1.0000
Intercept		29	-1.8069	0.6815	1213	-2.65	0.0081
rater	JW	29	-0.08617	0.4983	1213	-0.17	0.8627
rater	VH	29	-0.05120	0.4960	1213	-0.10	0.9178
Intercept		30	0.5313	0.7239	1213	0.73	0.4631
rater	JW	30	0.3742	0.5295	1213	0.71	0.4799
rater	VH	30	-0.3338	0.5225	1213	-0.64	0.5230
Intercept		31	-0.3923	0.9373	1213	-0.42	0.6757
rater	JW	31	-0.02982	0.5259	1213	-0.06	0.9548

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > t
rater	VH	31	0	0.5418	1213	0.00	1.0000
Intercept		32	-0.8512	0.6998	1213	-1.22	0.2241
rater	JW	32	0.09269	0.4999	1213	0.19	0.8529
rater	VH	32	-0.1574	0.5037	1213	-0.31	0.7547
Intercept		33	0.7861	0.9134	1213	0.86	0.3896
rater	JW	33	0.05977	0.5265	1213	0.11	0.9096
rater	VH	33	0	0.5418	1213	0.00	1.0000
Intercept		34	1.7207	0.6887	1213	2.50	0.0126
rater	JW	34	0.1910	0.5047	1213	0.38	0.7052
rater	VH	34	-0.06015	0.4965	1213	-0.12	0.9036
Intercept		35	-1.7334	0.6695	1213	-2.59	0.0097
rater	JW	35	-0.2423	0.5051	1213	-0.48	0.6316
rater	VH	35	0.1105	0.4944	1213	0.22	0.8232
Intercept		36	0.4635	0.7095	1213	0.65	0.5137
rater	JW	36	-0.2593	0.5111	1213	-0.51	0.6120
rater	VH	36	0.2946	0.5163	1213	0.57	0.5684
Intercept		37	0.7861	0.9134	1213	0.86	0.3896
rater	JW	37	0.05977	0.5265	1213	0.11	0.9096
rater	VH	37	0	0.5418	1213	0.00	1.0000
Intercept		38	1.7245	0.6843	1213	2.52	0.0119
rater	JW	38	-0.01266	0.4956	1213	-0.03	0.9796
rater	VH	38	0.1438	0.5004	1213	0.29	0.7739
Intercept		39	-0.9765	0.9275	1213	-1.05	0.2926
rater	JW	39	-0.07424	0.5273	1213	-0.14	0.8881
rater	VH	39	0	0.5418	1213	0.00	1.0000
Intercept		40	0.5446	0.7286	1213	0.75	0.4549
rater	JW	40	0.3219	0.5227	1213	0.62	0.5381
rater	VH	40	-0.2805	0.5185	1213	-0.54	0.5886
Intercept		41	-2.8888	0.8600	1213	-3.36	0.0008
rater	JW	41	-0.2196	0.5399	1213	-0.41	0.6842
rater	VH	41	0	0.5418	1213	0.00	1.0000
Intercept		42	0.2204	0.9289	1213	0.24	0.8125
rater	JW	42	0.01676	0.5256	1213	0.03	0.9746
rater	VH	42	0	0.5418	1213	0.00	1.0000
Intercept		43	2.4903	0.9679	1213	2.57	0.0102
rater	JW	43	0.1893	0.5370	1213	0.35	0.7245
rater	VH	43	0	0.5418	1213	0.00	1.0000
Intercept		44	-0.3472	0.9612	1213	-0.36	0.7180
rater	JW	44	-0.02640	0.5261	1213	-0.05	0.9600
rater	VH	44	0	0.5418	1213	0.00	1.0000
Intercept		45	0.2012	0.9357	1213	0.21	0.8298
rater	JW	45	0.01529	0.5257	1213	0.03	0.9768
rater	VH	45	0	0.5418	1213	0.00	1.0000
Intercept		46	1.8806	0.9156	1213	2.05	0.0402
rater	JW	46	0.1430	0.5318	1213	0.27	0.7881
rater	VH	46	0	0.5418	1213	0.00	1.0000
Intercept		47	0.7894	0.7002	1213	1.13	0.2598
rater	JW	47	0.06175	0.4991	1213	0.12	0.9016
rater	VH	47	-0.00174	0.4988	1213	-0.00	0.9972
Intercept		48	-0.3472	0.9612	1213	-0.36	0.7180
rater	JW	48	-0.02640	0.5261	1213	-0.05	0.9600
rater	VH	48	0	0.5418	1213	0.00	1.0000
Intercept		49	1.7096	0.6877	1213	2.49	0.0131
rater	JW	49	-0.01234	0.4961	1213	-0.02	0.9802
rater	VH	49	0.1423	0.5009	1213	0.28	0.7764
Intercept		50	0.4435	0.7147	1213	0.62	0.5350
rater	JW	50	-0.2539	0.5114	1213	-0.50	0.6196
rater	VH	50	0.2876	0.5166	1213	0.56	0.5779
Intercept		51	1.3362	0.9019	1213	1.48	0.1387
rater	JW	51	0.1016	0.5285	1213	0.19	0.8476
rater	VH	51	0	0.5418	1213	0.00	1.0000
Intercept		52	0.9782	0.9685	1213	1.01	0.3127
rater	JW	52	0.07437	0.5277	1213	0.14	0.8880
rater	VH	52	0	0.5418	1213	0.00	1.0000
Intercept		53	-0.8589	0.7009	1213	-1.23	0.2207

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > t
rater	JW	53	-0.1053	0.5011	1213	-0.21	0.8336
rater	VH	53	0.04002	0.4984	1213	0.08	0.9360
Intercept		54	0.8376	0.7103	1213	1.18	0.2385
rater	JW	54	0.04785	0.4999	1213	0.10	0.9238
rater	VH	54	0.01583	0.5008	1213	0.03	0.9748
Intercept		55	2.3422	0.7015	1213	3.34	0.0009
rater	JW	55	0.01474	0.4986	1213	0.03	0.9764
rater	VH	55	0.1633	0.5043	1213	0.32	0.7461
Intercept		56	-1.1455	0.6972	1213	-1.64	0.1006
rater	JW	56	-0.02690	0.4982	1213	-0.05	0.9569
rater	VH	56	-0.06018	0.4990	1213	-0.12	0.9040
Intercept		57	-2.7709	0.8975	1213	-3.09	0.0021
rater	JW	57	-0.2106	0.5390	1213	-0.39	0.6960
rater	VH	57	0	0.5418	1213	0.00	1.0000
Intercept		58	-2.8888	0.8600	1213	-3.36	0.0008
rater	JW	58	-0.2196	0.5399	1213	-0.41	0.6842
rater	VH	58	0	0.5418	1213	0.00	1.0000
Intercept		59	0.7763	0.9167	1213	0.85	0.3973
rater	JW	59	0.05901	0.5265	1213	0.11	0.9108
rater	VH	59	0	0.5418	1213	0.00	1.0000
Intercept		60	4.1793	0.9840	1213	4.25	<.0001
rater	JW	60	0.1266	0.5282	1213	0.24	0.8106
rater	VH	60	0.1911	0.5314	1213	0.36	0.7191
Intercept		61	-0.3632	1.0206	1213	-0.36	0.7220
rater	JW	61	-0.02761	0.5268	1213	-0.05	0.9582
rater	VH	61	0	0.5418	1213	0.00	1.0000
Intercept		62	-1.9875	0.9772	1213	-2.03	0.0422
rater	JW	62	-0.1511	0.5332	1213	-0.28	0.7769
rater	VH	62	0	0.5418	1213	0.00	1.0000
Intercept		63	-1.0300	0.9630	1213	-1.07	0.2850
rater	JW	63	-0.07830	0.5278	1213	-0.15	0.8821
rater	VH	63	0	0.5418	1213	0.00	1.0000
Intercept		64	-0.3472	0.9612	1213	-0.36	0.7180
rater	JW	64	-0.02640	0.5261	1213	-0.05	0.9600
rater	VH	64	0	0.5418	1213	0.00	1.0000
Intercept		65	-0.8607	0.6989	1213	-1.23	0.2184
rater	JW	65	-0.1059	0.5008	1213	-0.21	0.8326
rater	VH	65	0.04044	0.4981	1213	0.08	0.9353
Intercept		66	0.4492	0.7088	1213	0.63	0.5264
rater	JW	66	0.1482	0.5042	1213	0.29	0.7689
rater	VH	66	-0.1141	0.5022	1213	-0.23	0.8204
Intercept		67	-1.8847	0.6828	1213	-2.76	0.0059
rater	JW	67	-0.00721	0.4953	1213	-0.01	0.9884
rater	VH	67	-0.1361	0.5007	1213	-0.27	0.7858
Intercept		68	2.3375	0.7024	1213	3.33	0.0009
rater	JW	68	0.01478	0.4987	1213	0.03	0.9764
rater	VH	68	0.1629	0.5044	1213	0.32	0.7467
Intercept		69	0.2204	0.9289	1213	0.24	0.8125
rater	JW	69	0.01676	0.5256	1213	0.03	0.9746
rater	VH	69	0	0.5418	1213	0.00	1.0000
Intercept		70	-3.5720	0.6729	1213	-5.31	<.0001
rater	JW	70	0.04020	0.4922	1213	0.08	0.9349
rater	VH	70	-0.3118	0.5150	1213	-0.61	0.5450
Intercept		71	-0.9121	0.7220	1213	-1.26	0.2067
rater	JW	71	-0.1258	0.5059	1213	-0.25	0.8037
rater	VH	71	0.05645	0.5010	1213	0.11	0.9103
Intercept		72	2.3363	0.7027	1213	3.32	0.0009
rater	JW	72	0.01479	0.4987	1213	0.03	0.9764
rater	VH	72	0.1628	0.5044	1213	0.32	0.7469
Intercept		73	-0.2115	0.7106	1213	-0.30	0.7661
rater	JW	73	-0.07785	0.5011	1213	-0.16	0.8766
rater	VH	73	0.06178	0.5005	1213	0.12	0.9018
Intercept		74	-0.8532	0.7037	1213	-1.21	0.2256
rater	JW	74	-0.1036	0.5015	1213	-0.21	0.8363
rater	VH	74	0.03877	0.4987	1213	0.08	0.9381

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > t
Intercept		75	-0.3923	0.9373	1213	-0.42	0.6757
rater	JW	75	-0.02982	0.5259	1213	-0.06	0.9548
rater	VH	75	0	0.5418	1213	0.00	1.0000
Intercept		76	-1.1780	0.6961	1213	-1.69	0.0908
rater	JW	76	0.1624	0.5031	1213	0.32	0.7470
rater	VH	76	-0.2519	0.5105	1213	-0.49	0.6218
Intercept		77	0.1321	0.7136	1213	0.19	0.8531
rater	JW	77	0.2405	0.5117	1213	0.47	0.6384
rater	VH	77	-0.2305	0.5109	1213	-0.45	0.6520
Intercept		78	-0.8512	0.6998	1213	-1.22	0.2241
rater	JW	78	0.09269	0.4999	1213	0.19	0.8529
rater	VH	78	-0.1574	0.5037	1213	-0.31	0.7547
Intercept		79	-0.3627	0.9549	1213	-0.38	0.7041
rater	JW	79	-0.02758	0.5260	1213	-0.05	0.9582
rater	VH	79	0	0.5418	1213	0.00	1.0000
Intercept		80	0.4454	0.7131	1213	0.62	0.5323
rater	JW	80	-0.05255	0.5003	1213	-0.11	0.9164
rater	VH	80	0.08641	0.5020	1213	0.17	0.8634
Intercept		81	0.8884	0.7279	1213	1.22	0.2225
rater	JW	81	-0.3148	0.5205	1213	-0.60	0.5455
rater	VH	81	0.3823	0.5300	1213	0.72	0.4709
Intercept		82	1.3381	0.9013	1213	1.48	0.1379
rater	JW	82	0.1017	0.5285	1213	0.19	0.8474
rater	VH	82	0	0.5418	1213	0.00	1.0000
Intercept		83	-0.3237	0.7428	1213	-0.44	0.6631
rater	JW	83	0.3341	0.5262	1213	0.63	0.5256
rater	VH	83	-0.3587	0.5305	1213	-0.68	0.4990
Intercept		84	-0.8567	0.7023	1213	-1.22	0.2228
rater	JW	84	-0.1049	0.5013	1213	-0.21	0.8343
rater	VH	84	0.03975	0.4986	1213	0.08	0.9365
Intercept		85	0.4839	0.7228	1213	0.67	0.5033
rater	JW	85	-0.06301	0.5015	1213	-0.13	0.9000
rater	VH	85	0.09979	0.5042	1213	0.20	0.8432
Intercept		86	-0.3923	0.9373	1213	-0.42	0.6757
rater	JW	86	-0.02982	0.5259	1213	-0.06	0.9548
rater	VH	86	0	0.5418	1213	0.00	1.0000
Intercept		87	-1.3336	1.0178	1213	-1.31	0.1903
rater	JW	87	-0.1014	0.5297	1213	-0.19	0.8483
rater	VH	87	0	0.5418	1213	0.00	1.0000
Intercept		88	0.4753	0.7054	1213	0.67	0.5006
rater	JW	88	-0.05327	0.4993	1213	-0.11	0.9151
rater	VH	88	0.08940	0.5010	1213	0.18	0.8584
Intercept		89	-0.5368	0.7075	1213	-0.76	0.4482
rater	JW	89	0.008595	0.4996	1213	0.02	0.9863
rater	VH	89	-0.04940	0.5002	1213	-0.10	0.9213
Intercept		90	-2.0118	0.8965	1213	-2.24	0.0250
rater	JW	90	-0.1529	0.5325	1213	-0.29	0.7740
rater	VH	90	0	0.5418	1213	0.00	1.0000
Intercept		91	-0.8607	0.6989	1213	-1.23	0.2184
rater	JW	91	-0.1059	0.5008	1213	-0.21	0.8326
rater	VH	91	0.04044	0.4981	1213	0.08	0.9353
Intercept		92	1.4001	0.6905	1213	2.03	0.0428
rater	JW	92	-0.1251	0.4983	1213	-0.25	0.8018
rater	VH	92	0.2315	0.5076	1213	0.46	0.6484
Intercept		93	0.7803	0.6998	1213	1.11	0.2651
rater	JW	93	0.2622	0.5119	1213	0.51	0.6086
rater	VH	93	-0.2028	0.5057	1213	-0.40	0.6884
Intercept		94	2.6743	0.7236	1213	3.70	0.0002
rater	JW	94	-0.07483	0.5012	1213	-0.15	0.8813
rater	VH	94	0.2781	0.5183	1213	0.54	0.5916
Intercept		95	0.4567	0.7067	1213	0.65	0.5183
rater	JW	95	0.1508	0.5040	1213	0.30	0.7649
rater	VH	95	-0.1161	0.5020	1213	-0.23	0.8172
Intercept		96	1.6083	0.9566	1213	1.68	0.0930
rater	JW	96	0.1223	0.5305	1213	0.23	0.8178

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > t
rater	VH	96	0	0.5418	1213	0.00	1.0000
Intercept		97	1.3263	0.9050	1213	1.47	0.1430
rater	JW	97	0.1008	0.5285	1213	0.19	0.8487
rater	VH	97	0	0.5418	1213	0.00	1.0000
Intercept		98	0.7760	0.9169	1213	0.85	0.3975
rater	JW	98	0.05900	0.5265	1213	0.11	0.9108
rater	VH	98	0	0.5418	1213	0.00	1.0000
Intercept		99	-0.4105	1.0172	1213	-0.40	0.6866
rater	JW	99	-0.03121	0.5268	1213	-0.06	0.9528
rater	VH	99	0	0.5418	1213	0.00	1.0000
Intercept		100	-2.8103	0.8926	1213	-3.15	0.0017
rater	JW	100	-0.2137	0.5394	1213	-0.40	0.6921
rater	VH	100	0	0.5418	1213	0.00	1.0000
Intercept		101	0.1853	0.9411	1213	0.20	0.8439
rater	JW	101	0.01409	0.5257	1213	0.03	0.9786
rater	VH	101	0	0.5418	1213	0.00	1.0000
Intercept		102	0.7537	0.9248	1213	0.81	0.4152
rater	JW	102	0.05730	0.5265	1213	0.11	0.9134
rater	VH	102	0	0.5418	1213	0.00	1.0000
Intercept		103	-0.2115	0.7106	1213	-0.30	0.7661
rater	JW	103	-0.07785	0.5011	1213	-0.16	0.8766
rater	VH	103	0.06178	0.5005	1213	0.12	0.9018
Intercept		104	2.5188	0.7335	1213	3.43	0.0006
rater	JW	104	-0.03274	0.5017	1213	-0.07	0.9480
rater	VH	104	0.2242	0.5148	1213	0.44	0.6633
Intercept		105	0.1853	0.9411	1213	0.20	0.8439
rater	JW	105	0.01409	0.5257	1213	0.03	0.9786
rater	VH	105	0	0.5418	1213	0.00	1.0000
Intercept		106	0.7537	0.9248	1213	0.81	0.4152
rater	JW	106	0.05730	0.5265	1213	0.11	0.9134
rater	VH	106	0	0.5418	1213	0.00	1.0000
Intercept		107	3.5533	0.8405	1213	4.23	<.0001
rater	JW	107	0.2060	0.5269	1213	0.39	0.6959
rater	VH	107	0.06410	0.5133	1213	0.12	0.9006
Intercept		108	-2.2682	0.6625	1213	-3.42	0.0006
rater	JW	108	-0.09487	0.4950	1213	-0.19	0.8480
rater	VH	108	-0.07757	0.4940	1213	-0.16	0.8753
Intercept		109	4.1793	0.9840	1213	4.25	<.0001
rater	JW	109	0.1266	0.5282	1213	0.24	0.8106
rater	VH	109	0.1911	0.5314	1213	0.36	0.7191
Intercept		110	-2.6734	0.6656	1213	-4.02	<.0001
rater	JW	110	-0.2945	0.5096	1213	-0.58	0.5634
rater	VH	110	0.09129	0.4934	1213	0.19	0.8532
Intercept		111	0.3030	0.9779	1213	0.31	0.7567
rater	JW	111	0.02304	0.5262	1213	0.04	0.9651
rater	VH	111	0	0.5418	1213	0.00	1.0000
Intercept		112	3.5533	0.8405	1213	4.23	<.0001
rater	JW	112	0.2060	0.5269	1213	0.39	0.6959
rater	VH	112	0.06410	0.5133	1213	0.12	0.9006
Intercept		113	0.7942	0.9106	1213	0.87	0.3833
rater	JW	113	0.06038	0.5265	1213	0.11	0.9087
rater	VH	113	0	0.5418	1213	0.00	1.0000
Intercept		114	-0.9661	0.9350	1213	-1.03	0.3017
rater	JW	114	-0.07345	0.5273	1213	-0.14	0.8892
rater	VH	114	0	0.5418	1213	0.00	1.0000
Intercept		115	0.2648	0.9605	1213	0.28	0.7828
rater	JW	115	0.02013	0.5260	1213	0.04	0.9695
rater	VH	115	0	0.5418	1213	0.00	1.0000
Intercept		116	-1.7137	0.6750	1213	-2.54	0.0112
rater	JW	116	0.1361	0.4969	1213	0.27	0.7842
rater	VH	116	-0.2663	0.5089	1213	-0.52	0.6008
Intercept		117	-1.9497	1.0356	1213	-1.88	0.0600
rater	JW	117	-0.1482	0.5335	1213	-0.28	0.7812
rater	VH	117	0	0.5418	1213	0.00	1.0000
Intercept		118	-0.3689	0.9862	1213	-0.37	0.7084

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > t
rater	JW	118	-0.02804	0.5264	1213	-0.05	0.9575
rater	VH	118	0	0.5418	1213	0.00	1.0000
Intercept		119	0.4593	0.7061	1213	0.65	0.5155
rater	JW	119	0.1517	0.5040	1213	0.30	0.7635
rater	VH	119	-0.1167	0.5020	1213	-0.23	0.8162
Intercept		120	-1.1687	0.6874	1213	-1.70	0.0894
rater	JW	120	-0.2190	0.5060	1213	-0.43	0.6653
rater	VH	120	0.1301	0.4984	1213	0.26	0.7941
Intercept		121	1.3362	0.9019	1213	1.48	0.1387
rater	JW	121	0.1016	0.5285	1213	0.19	0.8476
rater	VH	121	0	0.5418	1213	0.00	1.0000
Intercept		122	0.1743	0.7503	1213	0.23	0.8164
rater	JW	122	0.05572	0.5054	1213	0.11	0.9122
rater	VH	122	-0.04247	0.5053	1213	-0.08	0.9330
Intercept		123	1.0978	0.6945	1213	1.58	0.1142
rater	JW	123	0.3729	0.5241	1213	0.71	0.4769
rater	VH	123	-0.2895	0.5116	1213	-0.57	0.5716
Intercept		124	-0.9661	0.9350	1213	-1.03	0.3017
rater	JW	124	-0.07345	0.5273	1213	-0.14	0.8892
rater	VH	124	0	0.5418	1213	0.00	1.0000
Intercept		125	1.7366	0.7002	1213	2.48	0.0133
rater	JW	125	0.6020	0.5658	1213	1.06	0.2875
rater	VH	125	-0.4700	0.5330	1213	-0.88	0.3781
Intercept		126	0.2204	0.9289	1213	0.24	0.8125
rater	JW	126	0.01676	0.5256	1213	0.03	0.9746
rater	VH	126	0	0.5418	1213	0.00	1.0000
Intercept		127	-1.5208	0.9005	1213	-1.69	0.0915
rater	JW	127	-0.1156	0.5295	1213	-0.22	0.8272
rater	VH	127	0	0.5418	1213	0.00	1.0000
Intercept		128	0.4998	0.7211	1213	0.69	0.4884
rater	JW	128	-0.03700	0.5015	1213	-0.07	0.9412
rater	VH	128	0.07499	0.5023	1213	0.15	0.8813
Intercept		129	-0.4304	0.9746	1213	-0.44	0.6588
rater	JW	129	-0.03272	0.5263	1213	-0.06	0.9504
rater	VH	129	0	0.5418	1213	0.00	1.0000
Intercept		130	-1.5220	0.9058	1213	-1.68	0.0932
rater	JW	130	-0.1157	0.5295	1213	-0.22	0.8271
rater	VH	130	0	0.5418	1213	0.00	1.0000
Intercept		131	4.1793	0.9840	1213	4.25	<.0001
rater	JW	131	0.1266	0.5282	1213	0.24	0.8106
rater	VH	131	0.1911	0.5314	1213	0.36	0.7191
Intercept		132	0.1126	0.7147	1213	0.16	0.8748
rater	JW	132	0.03313	0.5008	1213	0.07	0.9473
rater	VH	132	-0.02458	0.5006	1213	-0.05	0.9609
Intercept		133	-2.8888	0.8600	1213	-3.36	0.0008
rater	JW	133	-0.2196	0.5399	1213	-0.41	0.6842
rater	VH	133	0	0.5418	1213	0.00	1.0000
Intercept		134	-1.4575	0.6771	1213	-2.15	0.0316
rater	JW	134	-0.1345	0.4989	1213	-0.27	0.7875
rater	VH	134	0.02369	0.4946	1213	0.05	0.9618
Intercept		135	-0.8326	0.6958	1213	-1.20	0.2317
rater	JW	135	0.2950	0.5137	1213	0.57	0.5659
rater	VH	135	-0.3583	0.5224	1213	-0.69	0.4930
Intercept		136	-0.5798	0.7432	1213	-0.78	0.4354
rater	JW	136	-0.3822	0.5324	1213	-0.72	0.4730
rater	VH	136	0.3381	0.5270	1213	0.64	0.5213
Intercept		137	2.3434	0.7013	1213	3.34	0.0009
rater	JW	137	0.01473	0.4986	1213	0.03	0.9764
rater	VH	137	0.1634	0.5043	1213	0.32	0.7459
Intercept		138	-0.9409	0.7231	1213	-1.30	0.1934
rater	JW	138	-0.1032	0.5040	1213	-0.20	0.8378
rater	VH	138	0.03168	0.5013	1213	0.06	0.9496
Intercept		139	2.4912	0.9677	1213	2.57	0.0102
rater	JW	139	0.1894	0.5370	1213	0.35	0.7244
rater	VH	139	0	0.5418	1213	0.00	1.0000

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > t
Intercept		140	-1.5208	0.9005	1213	-1.69	0.0915
rater	JW	140	-0.1156	0.5295	1213	-0.22	0.8272
rater	VH	140	0	0.5418	1213	0.00	1.0000
Intercept		141	-1.7418	0.7077	1213	-2.46	0.0140
rater	JW	141	0.1451	0.5014	1213	0.29	0.7723
rater	VH	141	-0.2775	0.5171	1213	-0.54	0.5915
Intercept		142	-5.4605	0.9721	1213	-5.62	<.0001
rater	JW	142	-0.4151	0.5776	1213	-0.72	0.4725
rater	VH	142	0	0.5418	1213	0.00	1.0000
Intercept		143	0.8574	0.7208	1213	1.19	0.2345
rater	JW	143	0.09219	0.5034	1213	0.18	0.8547
rater	VH	143	-0.02701	0.5010	1213	-0.05	0.9570
Intercept		144	1.8806	0.9156	1213	2.05	0.0402
rater	JW	144	0.1430	0.5318	1213	0.27	0.7881
rater	VH	144	0	0.5418	1213	0.00	1.0000
Intercept		145	3.5242	0.8357	1213	4.22	<.0001
rater	JW	145	-0.03400	0.5124	1213	-0.07	0.9471
rater	VH	145	0.3019	0.5352	1213	0.56	0.5728
Intercept		146	3.0961	0.7718	1213	4.01	<.0001
rater	JW	146	0.2834	0.5290	1213	0.54	0.5922
rater	VH	146	-0.04806	0.5056	1213	-0.10	0.9243
Intercept		147	-0.3923	0.9373	1213	-0.42	0.6757
rater	JW	147	-0.02982	0.5259	1213	-0.06	0.9548
rater	VH	147	0	0.5418	1213	0.00	1.0000
Intercept		148	-0.8589	0.7009	1213	-1.23	0.2207
rater	JW	148	-0.1053	0.5011	1213	-0.21	0.8336
rater	VH	148	0.04002	0.4984	1213	0.08	0.9360
Intercept		149	-2.5388	0.7039	1213	-3.61	0.0003
rater	JW	149	0.2027	0.5029	1213	0.40	0.6870
rater	VH	149	-0.3957	0.5347	1213	-0.74	0.4594
Intercept		150	-0.8447	0.7073	1213	-1.19	0.2326
rater	JW	150	-0.1032	0.5019	1213	-0.21	0.8371
rater	VH	150	0.03898	0.4993	1213	0.08	0.9378
Intercept		151	-0.5814	0.7339	1213	-0.79	0.4284
rater	JW	151	0.01618	0.5030	1213	0.03	0.9743
rater	VH	151	-0.06038	0.5038	1213	-0.12	0.9046
Intercept		152	0.7756	0.7010	1213	1.11	0.2688
rater	JW	152	0.2605	0.5120	1213	0.51	0.6109
rater	VH	152	-0.2016	0.5058	1213	-0.40	0.6903
Intercept		153	-0.9530	0.9578	1213	-1.00	0.3199
rater	JW	153	-0.07245	0.5275	1213	-0.14	0.8908
rater	VH	153	0	0.5418	1213	0.00	1.0000
Intercept		154	-0.3923	0.9373	1213	-0.42	0.6757
rater	JW	154	-0.02982	0.5259	1213	-0.06	0.9548
rater	VH	154	0	0.5418	1213	0.00	1.0000
Intercept		155	-0.2115	0.7106	1213	-0.30	0.7661
rater	JW	155	-0.07785	0.5011	1213	-0.16	0.8766
rater	VH	155	0.06178	0.5005	1213	0.12	0.9018
Intercept		156	1.3362	0.9019	1213	1.48	0.1387
rater	JW	156	0.1016	0.5285	1213	0.19	0.8476
rater	VH	156	0	0.5418	1213	0.00	1.0000
Intercept		157	0.1853	0.9411	1213	0.20	0.8439
rater	JW	157	0.01409	0.5257	1213	0.03	0.9786
rater	VH	157	0	0.5418	1213	0.00	1.0000
Intercept		158	-2.4770	0.8711	1213	-2.84	0.0045
rater	JW	158	-0.1883	0.5360	1213	-0.35	0.7254
rater	VH	158	0	0.5418	1213	0.00	1.0000
Intercept		159	0.2204	0.9289	1213	0.24	0.8125
rater	JW	159	0.01676	0.5256	1213	0.03	0.9746
rater	VH	159	0	0.5418	1213	0.00	1.0000
Intercept		160	-1.3506	1.0282	1213	-1.31	0.1892
rater	JW	160	-0.1027	0.5299	1213	-0.19	0.8464
rater	VH	160	0	0.5418	1213	0.00	1.0000
Intercept		161	-1.4546	0.6759	1213	-2.15	0.0316
rater	JW	161	-0.1354	0.4988	1213	-0.27	0.7861

Solution for Random Effects							
Effect	rater	Subject	Estimate	Std Err Pred	DF	t Value	Pr > t
rater	VH	161	0.02478	0.4943	1213	0.05	0.9600

Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
RUL vs RML	-0.2298	0.2003	1213	-1.15	0.2516	0.05	-0.6227	0.1632
RUL vs RLL	-0.5957	0.1983	1213	-3.00	0.0027	0.05	-0.9849	-0.2066
RUL vs LUS	1.2776	0.2072	1213	6.17	<.0001	0.05	0.8711	1.6841
RUL vs LLS	0.2094	0.1999	1213	1.05	0.2951	0.05	-0.1828	0.6016
RUL vs LLL	-0.3742	0.1997	1213	-1.87	0.0613	0.05	-0.7660	0.01769
RML vs RLL	-0.3660	0.1987	1213	-1.84	0.0658	0.05	-0.7559	0.02392
RML vs LUS	1.5073	0.2102	1213	7.17	<.0001	0.05	1.0949	1.9198
RML vs LLS	0.4392	0.2016	1213	2.18	0.0295	0.05	0.04372	0.8346
RML vs LLL	-0.1444	0.2005	1213	-0.72	0.4714	0.05	-0.5377	0.2488
RLL vs LUS	1.8733	0.2109	1213	8.88	<.0001	0.05	1.4596	2.2870
RLL vs LLS	0.8052	0.2001	1213	4.02	<.0001	0.05	0.4126	1.1977
RLL vs LLL	0.2216	0.1975	1213	1.12	0.2621	0.05	-0.1659	0.6090
LUS vs LLS	-1.0682	0.2068	1213	-5.17	<.0001	0.05	-1.4738	-0.6625
LUS vs LLL	-1.6517	0.2108	1213	-7.84	<.0001	0.05	-2.0652	-1.2383
LLS vs LLL	-0.5836	0.2012	1213	-2.90	0.0038	0.05	-0.9784	-0.1888

Significant Pairwise Comparisons for tib

Comparison	P-Value	Exponentiated Estimate (Odds Ratio)
RUL vs RLL	0.0027	0.55115
RUL vs LUS	<.0001	3.58792
RML vs LUS	<.0001	4.51462
RML vs LLS	0.0295	1.55141
RLL vs LUS	<.0001	6.50985
RLL vs LLS	<.0001	2.23705
LUS vs LLS	<.0001	0.34364
LUS vs LLL	<.0001	0.19171
LLS vs LLL	0.0038	0.55789