description	nick_name	start_time	end_time	run_time	run
emily-log-2	01861fb3b1d46b85235b5f9fa2c2b183	1606450090.2	1606450132	41.756390572	1
emily-log-2	01861fb3b1d46b85235b5f9fa2c2b183	1606450132	1606450200.2	68.18294239	1
emily-log-2	01861fb3b1d46b85235b5f9fa2c2b183	1606450200.2	1606450226.7	26.508532524	1
emily-log-2	01861fb3b1d46b85235b5f9fa2c2b183	1606450226.8	1606450290.8	64.065585136	1
emily-log-2	01861fb3b1d46b85235b5f9fa2c2b183	1606450290.9	1606450341.8	50.851896524	1
emily-log-2	01861fb3b1d46b85235b5f9fa2c2b183	1606450341.8	1606450414.2	72.406569958	1
emily-log-2	07917c8f20bd64d139a5b2236f7e4e17	1606151413.6	1606151494.9	81.329717398	2
emily-log-2	07917c8f20bd64d139a5b2236f7e4e17	1606151495	1606151583.4	88.378311634	2

data_name	pic_name	pic_id	test_param
8ad2ea6719790c191cedf1038d3cbca5	plots/svg/5df2947852318075a066e55984da5020.svg	13	linear
e079c7c97296f2c777bede60f7d1c5b7	plots/svg/19458f4a249031b8179c02b343dffe30.svg	7	linear
8ad2ea6719790c191cedf1038d3cbca5	plots/svg/df10610fd0e27c50fe0db5b8ca04f080.svg	14	log
3d689aa117d70559b73fe8398f1a44c6	plots/svg/20d0abf28998f59ada75cce6b4999158.svg	21	linear
e079c7c97296f2c777bede60f7d1c5b7	plots/svg/ef16f06ed4708fcd12a6249492a1e12a.svg	8	log
3d689aa117d70559b73fe8398f1a44c6	plots/svg/d6bc919b68b3711ec58a7d2d12363647.svg	22	log
d5c6dd039c67d2cb6771b22aa1c6aaac	plots/svg/929c1e7fdc8f70077cdaf06728393cf6.svg	26	log
f28e70dc6b7365974b49d253cdd85363	plots/svg/abd7b714d3c960b93247a0a3e0308473.svg	29	linear

param_value	rorschach	curvature	target_curvature	null_curvature	target_variability	null_variability
target-M-Lv_null-E-Lv_r0	0	t-M_n-E	M	E	Lv	Lv
target-E-Lv_null-M-Lv_r0	0	t-E_n-M	E	M	Lv	Lv
target-M-Lv_null-E-Lv_r0	0	t-M_n-E	M	E	Lv	Lv
target-M-Lv_null-H-Lv_r0	0	t-M_n-H	M	H	Lv	Lv
target-E-Lv_null-M-Lv_r0	0	t-E_n-M	E	M	Lv	Lv
target-M-Lv_null-H-Lv_r0	0	t-M_n-H	M	H	Lv	Lv
target-H-Lv_null-E-Lv_r0	0	t-H_n-E	H	E	Lv	Lv
target-H-Lv_null-M-Lv_r0	0	t-H_n-M	H	M	Lv	Lv

sample_size	obs_plot_location	response_no	correct	conf_level	choice_reason	participant_count	plot_count
50	10	8	0	Certain	Outlier(s)	6	22
50	14	14	1	Certain	Different shape	6	24
50	10	10	1	Certain	Different slope	6	23
50	1	3	0	Certain	Clustering	6	28
50	14	14	1	Certain	Outlier(s)	6	21
50	1	10	0	Neutral	Clustering	6	23
50	1	1	1	Certain	Different shape	13	22
50	12	18	0	Certain	Clustering	13	21

description	nick_name	start_time	end_time	run_time	run
emily-log-2	07917c8f20bd64d139a5b2236f7e4e17	1606151583.4	1606151736.4	152.98238087	2
emily-log-2	07917c8f20bd64d139a5b2236f7e4e17	1606151736.5	1606151785.5	49.040765285	2

data_name	pic_name	pic_id	test_param
7ff3391e264e98652cdb6eb8b85088c4	plots/svg/d8dea45d5c5b31523324bc29de32411f.svg	15	linear
87f34b01f1fce217b6c33e04da081ed0	plots/svg/5ecce62e937c1598e901631b3a1821d2.svg	6	log

param_value	rorschach	curvature	target_curvature	null_curvature	target_variability	null_variability
target-M-Lv_null-E-Lv_r0	0	t-M_n-E	M	E	Lv	Lv
target-E-Lv_null-M-Lv_r0	0	t-E_n-M	E	M	Lv	Lv

sample_size	obs_plot_location	response_no	correct	conf_level	choice_reason	participant_count	plot_count
50	10	12	0	Neutral	Other, Least variability about line	13	21
50	12	12	1	Certain	Different shape	13	20

The GLIMMIX Procedure

Model Information	
Data Set	WORK.SIM_LINEUP_DATA
Response Variable	correct
Response Distribution	Binomial
Link Function	Logit
Variance Function	Default
Variance Matrix	Not blocked
Estimation Technique	Residual PL
Degrees of Freedom Method	Containment

Class Level Information		
Class	**Levels**	**Values**
nick_name	35	01861fb3b1d46b85235b5f9fa2c2b183 07917c8f20bd64d139a5b2236f7e4e17 0cf70ba06ca136fd39b9656dc36a1e28 0fd70ce79e7389144e6241d6e33b0c47 11d0f4e6d5fab9bd5b4a9356cb804540 19966d4664333b7f76919371876714d0 1a81e4bc01b252e4a1b54b449d5f2e96 1b37544d470da5ef08adef40f2b62e28 1dd51f5bdadfcf7af6f7ec9b986824ee 28fad056d8ae07f1fce2cfb4f2a2652a 29fd2ae75eb8f9c21c055211b45fb2de 2ac7cb9bd776d407e08b85eb619f15ca 4c7cee72e71798b9ee3092a8d60ed224 5083fc7d8a5a8f50e96063237f0c8afe 589a7834099998445cd20117a88d444c 5a2733563a0f8a8cc2ee6116a4744271 5e535b9cd42f5f965117a845328ecdc7 5fad3241413670ce6c8f40d0dc138dfd 607a9c29102832b993d8adb5d9855f3b 7b86b70c45775969aa583a90e87bcfa6 7cda7482f5b4af74e92c562af71838c2 81998917829c2defc8897a6aa438e044 84f6fb2625fee48472f92836151eae49 8d768b89ce4e79918098c14f974c7117 965675ef51352b48492b478a0ff20cca 9c38c2ef339980c656cb722b5c0d4a1d a25a0a4fdf05472157f78375e565027b a9af0281dc579f92ceaa690a71727808 bd24ec8a44cfb366c742b894c06334d4 c0f02f7d7aa23c41a53a8373bcbb0ae2 c3d6ecc6236ee802fcf9d979374877b6 d148d77a34a4c200e621563ea9812399 e8780996f49098d76b26612bb3144739 f01138c98cd648f4a5945d7219e60734 f9cd0853cfefc7c816a417b1909fb239
run	41	1 10 11 12 13 14 15 16 17 19 2 20 21 22 23 24 25 26 3 30 31 34 35 36 37 38 39 4 40 42 45 46 47 5 50 51 54 56 58 6 7
data_name	12	184b9f1a90081e0ffeedc112c6431d9c 3d689aa117d70559b73fe8398f1a44c6 47748c8978f11fc269bed62ca7f6a4d3 6a72b42ba970ea6798a886761baf324f 7ff3391e264e98652cdb6eb8b85088c4 87f34b01f1fce217b6c33e04da081ed0 8ad2ea6719790c191cedf1038d3cbca5 b79bc1a0fdbb69edc87fe34883a066d6 d14de6e8946c29750256921ce0462931 d5c6dd039c67d2cb6771b22aa1c6aaac e079c7c97296f2c777bede60f7d1c5b7 f28e70dc6b7365974b49d253cdd85363
pic_id	24	10 11 12 13 14 15 16 21 22 23 24 25 26 27 28 29 30 31 32 5 6 7 8 9
test_param	2	linear log
param_value	6	target-E-Lv_null-H-Lv_r0 target-E-Lv_null-M-Lv_r0 target-H-Lv_null-E-Lv_r0 target-H-Lv_null-M-Lv_r0 target-M-Lv_null-E-Lv_r0 target-M-Lv_null-H-Lv_r0
curvature	6	t-E_n-H t-E_n-M t-H_n-E t-H_n-M t-M_n-E t-M_n-H
target_curvature	3	E H M
null_curvature	3	E H M

Number of Observations Read	477
Number of Observations Used	477

Dimensions	
G-side Cov. Parameters	3
Columns in X	21
Columns in Z	1499

The GLIMMIX Procedure

Dimensions	
Subjects (Blocks in V)	1
Max Obs per Subject	477

Optimization Information	
Optimization Technique	Dual Quasi-Newton
Parameters in Optimization	3
Lower Boundaries	3
Upper Boundaries	0
Fixed Effects	Profiled
Starting From	Data

Iteration History					
Iteration	**Restarts**	**Subiterations**	**Objective Function**	**Change**	**Max Gradient**
0	**0**	**6**	2136.3414062	0.79014885	15.10752
1	**0**	**5**	2285.3114609	1.49812844	7.25438
2	**0**	**5**	2385.2326868	2.00000000	3.08968
3	**0**	**3**	2415.5149728	0.09793724	1.965103
4	**0**	**2**	2419.5881104	0.00439718	1.816556
5	**0**	**1**	2419.9401993	0.00045387	1.803765
6	**0**	**1**	2419.9703821	0.00003638	1.80268
7	**0**	**1**	2419.9729728	0.00000487	1.802584
8	**0**	**0**	2419.9732521	0.00000000	1.802574

Convergence criterion (PCONV=1.11022E-8) satisfied.

Estimated G matrix is not positive definite.

Fit Statistics	
-2 Res Log Pseudo-Likelihood	2419.97
Generalized Chi-Square	293.76
Gener. Chi-Square / DF	0.63

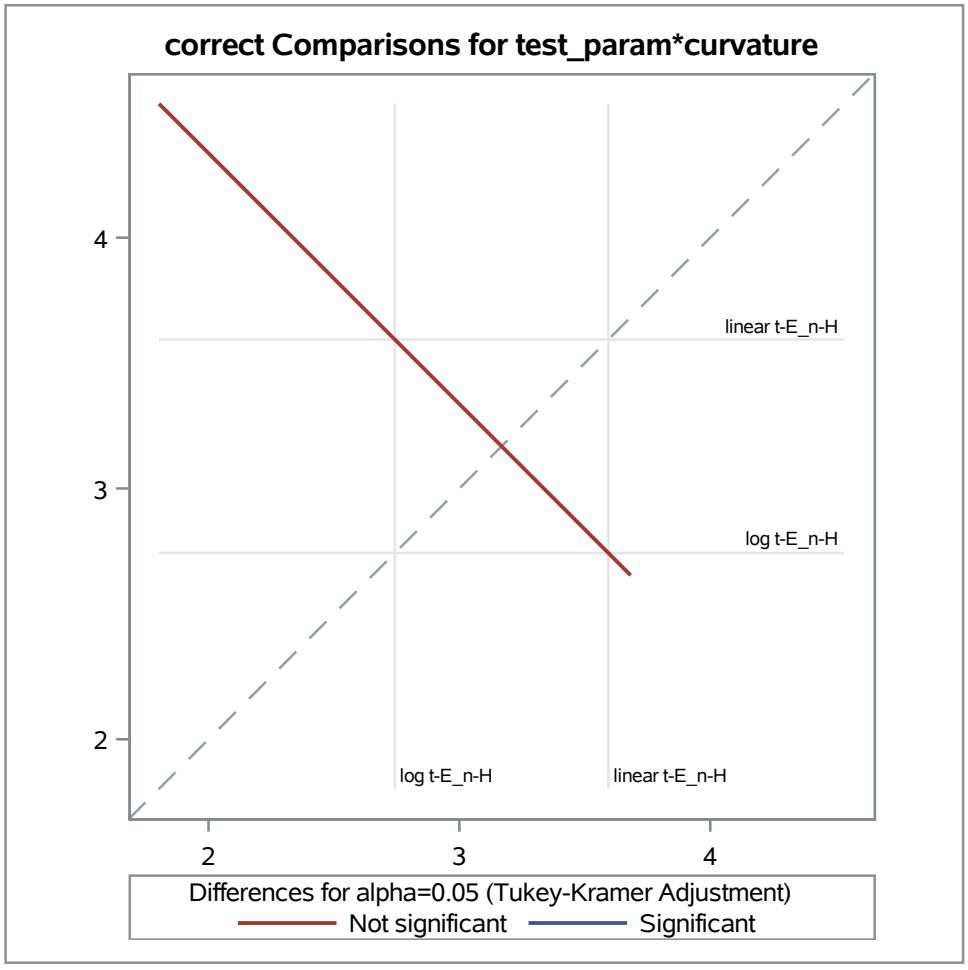
Covariance Parameter Estimates			
Cov Parm	**Subject**	**Estimate**	**Standard Error**
Intercept	run	2.1323	0.7351
Intercept	data_name	0.9170	0.6986
curvature	run*data_name	0	.

The GLIMMIX Procedure

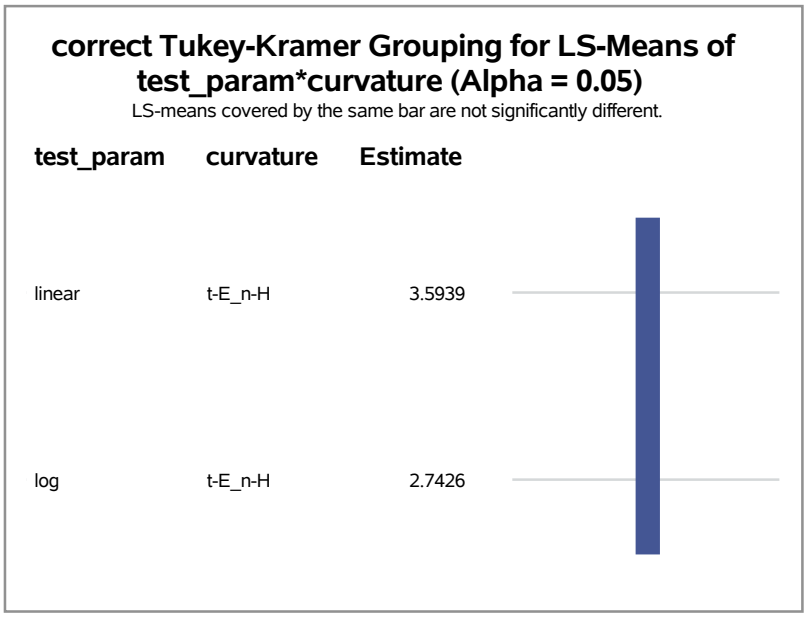
Type III Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
curvature	5	189	3.66	0.0035
test_param	1	230	14.89	0.0001
test_param*curvature	5	230	6.58	<.0001

F Test for test_param*curvature Least Squares Means Slice				
Slice	Num DF	Den DF	F Value	Pr > F
curvature t-E_n-H	1	230	0.80	0.3731

Simple Differences of test_param*curvature Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer								
Slice	test_param	_test_param	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P
curvature t-E_n-H	linear	log	0.8513	0.9540	230	0.89	0.3731	0.3731



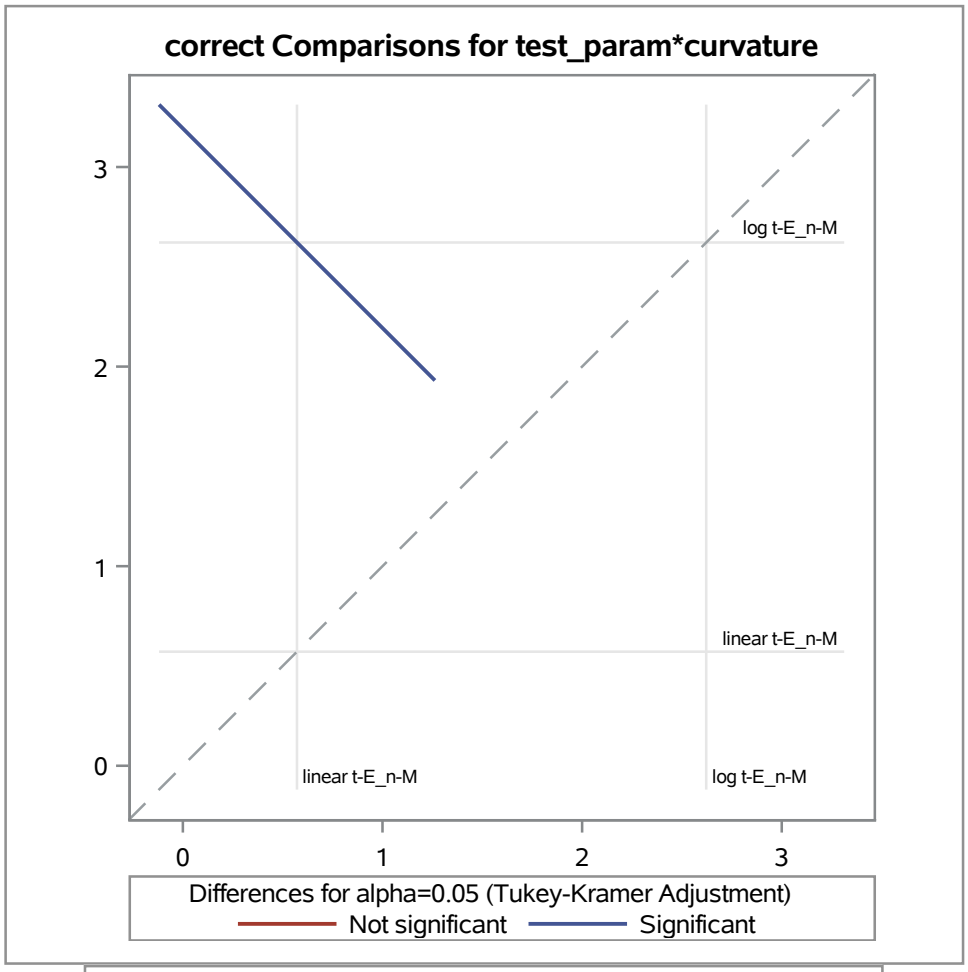
The GLIMMIX Procedure

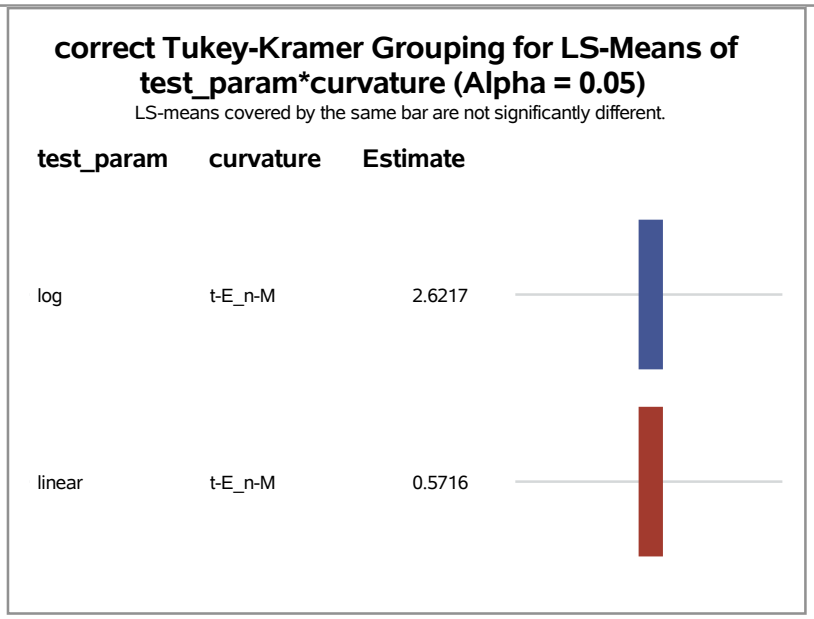


F Test for test_param*curvature Least Squares Means Slice				
Slice	**Num DF**	**Den DF**	**F Value**	**Pr > F**
curvature t-E_n-M	1	230	8.54	0.0038

Simple Differences of test_param*curvature Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer								
Slice	**test_param**	**_test_param**	**Estimate**	**Standard Error**	**DF**	**t Value**	**Pr > |t|**	**Adj P**
curvature t-E_n-M	linear	log	-2.0501	0.7014	230	-2.92	0.0038	0.0038

The GLIMMIX Procedure

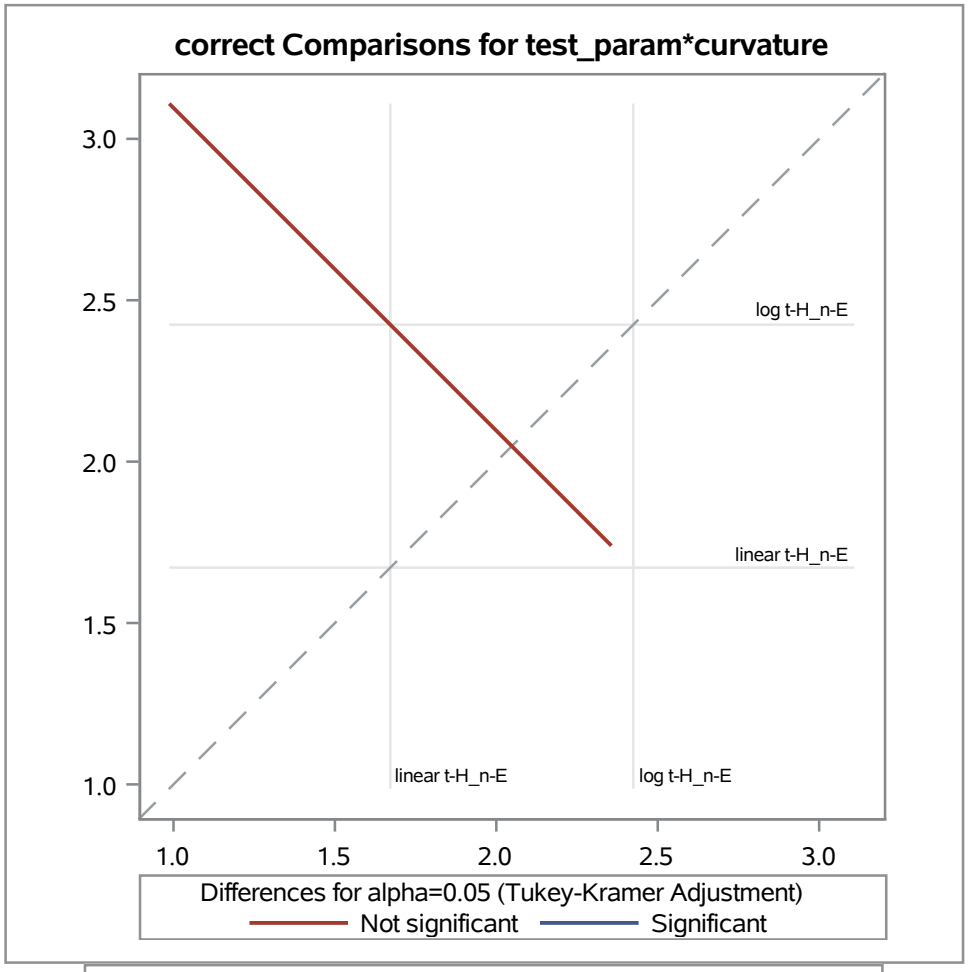


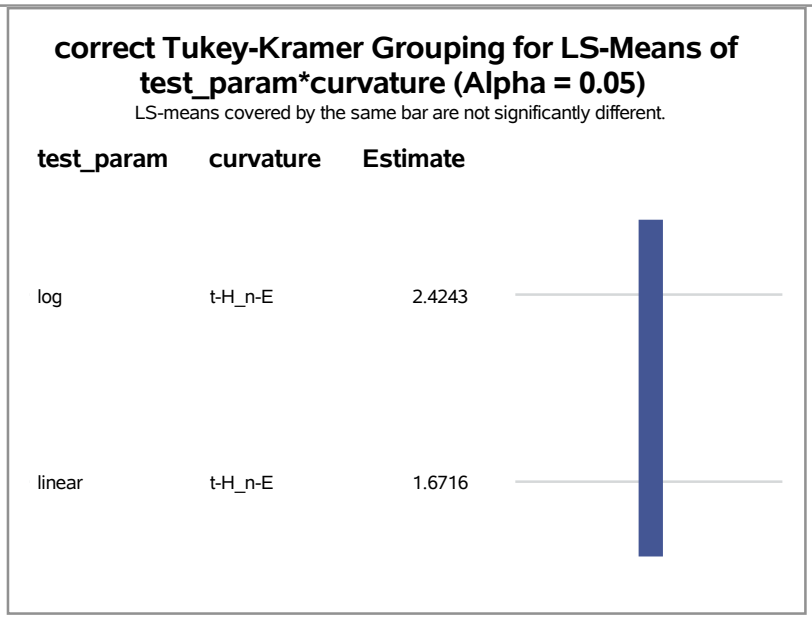


F Test for test_param*curvature Least Squares Means Slice				
Slice	Num DF	Den DF	F Value	Pr > F
curvature t-H_n-E	1	230	1.17	0.2800

The GLIMMIX Procedure

Simple Differences of test_param*curvature Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer								
Slice	**test_param**	**_test_param**	**Estimate**	**Standard Error**	**DF**	**t Value**	**Pr > |t|**	**Adj P**
curvature t-H_n-E	linear	log	-0.7527	0.6951	230	-1.08	0.2800	0.2800

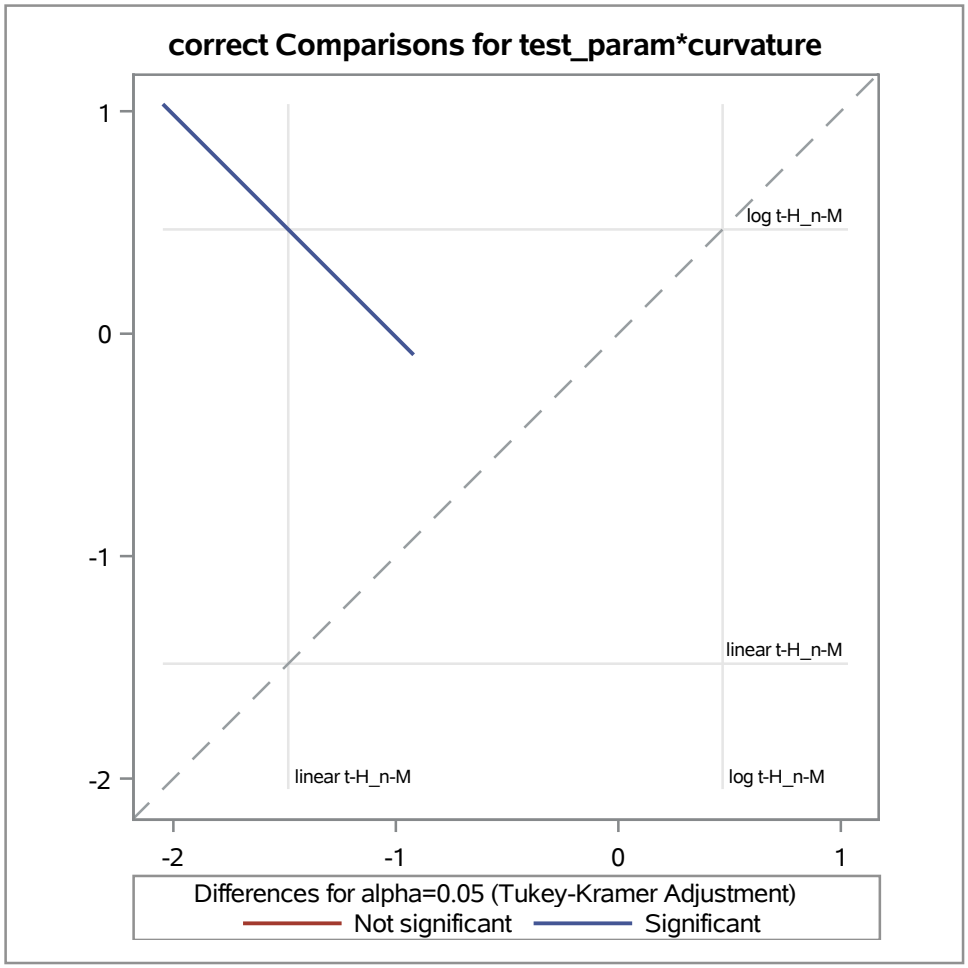




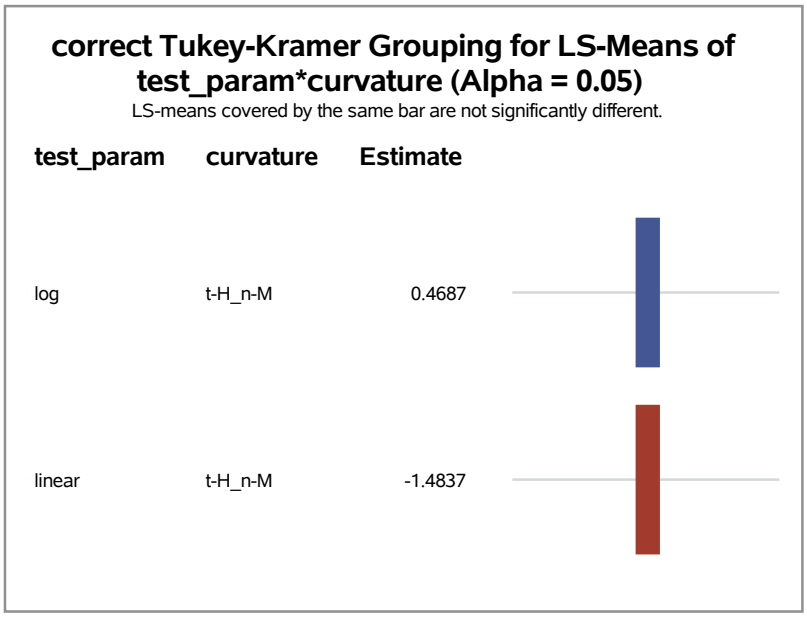
The GLIMMIX Procedure

F Test for test_param*curvature Least Squares Means Slice				
Slice	Num DF	Den DF	F Value	Pr > F
curvature t-H_n-M	1	230	11.65	0.0008

Simple Differences of test_param*curvature Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer								
Slice	test_param	_test_param	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P
curvature t-H_n-M	linear	log	-1.9524	0.5720	230	-3.41	0.0008	0.0008



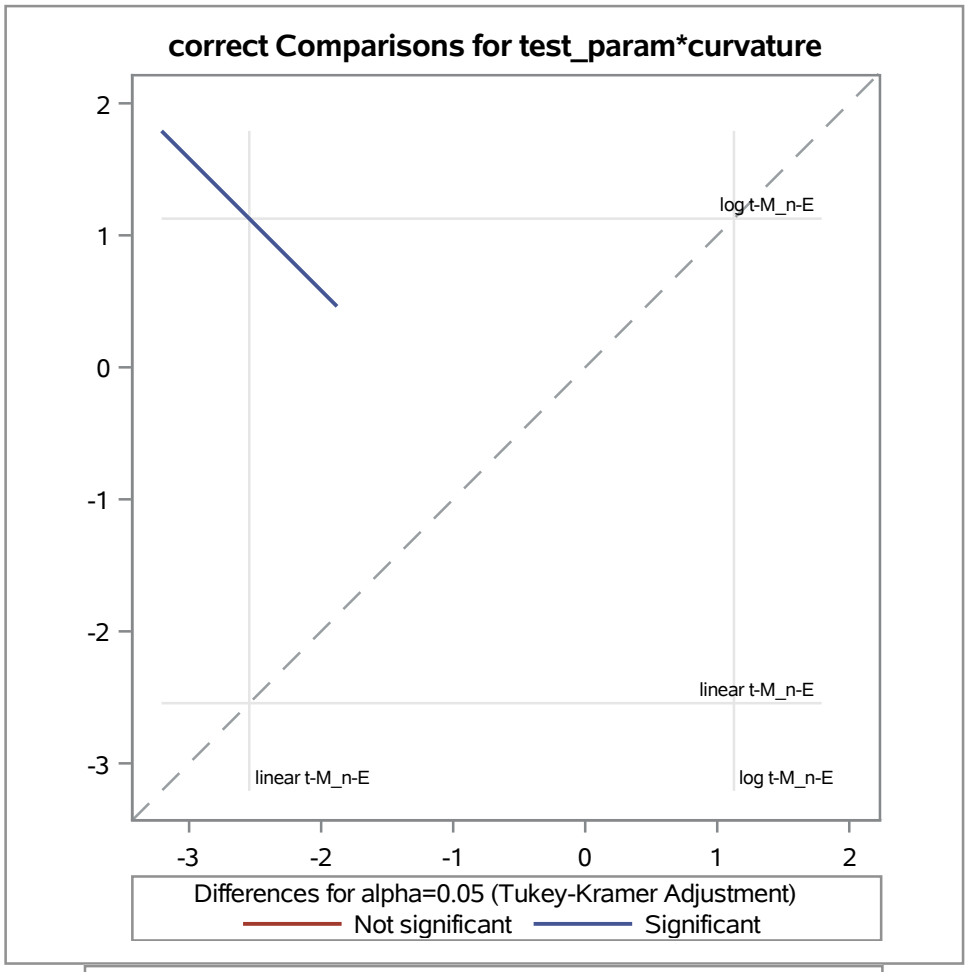
The GLIMMIX Procedure

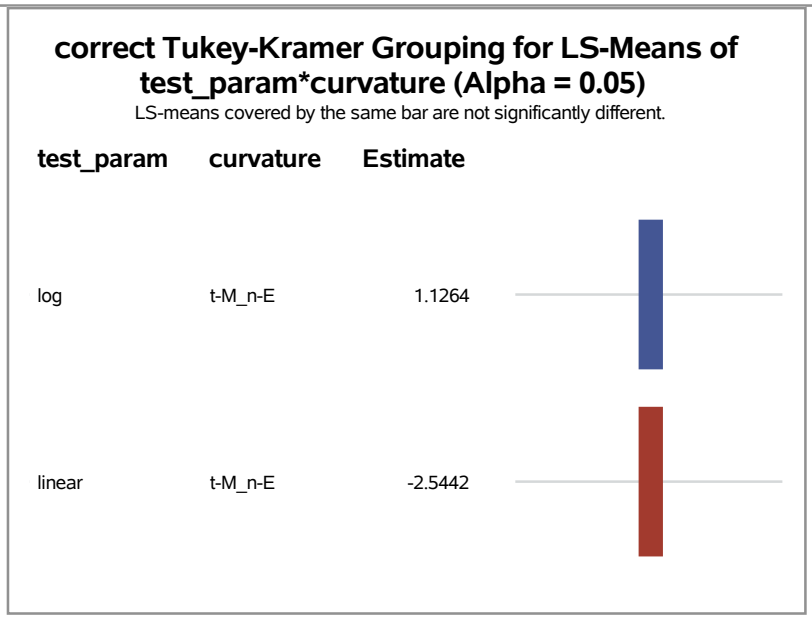


F Test for test_param*curvature Least Squares Means Slice				
Slice	Num DF	Den DF	F Value	Pr > F
curvature t-M_n-E	1	230	29.64	<.0001

Simple Differences of test_param*curvature Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer								
Slice	test_param	_test_param	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P
curvature t-M_n-E	linear	log	-3.6705	0.6743	230	-5.44	<.0001	<.0001

The GLIMMIX Procedure

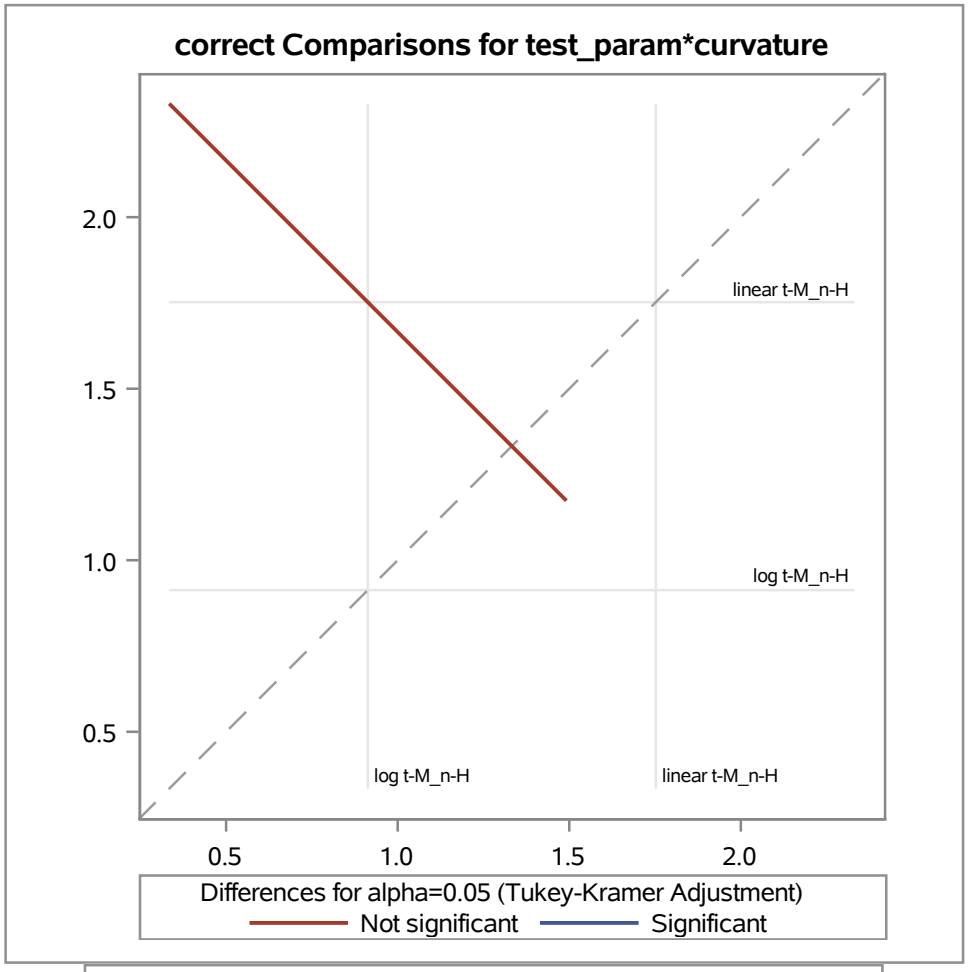


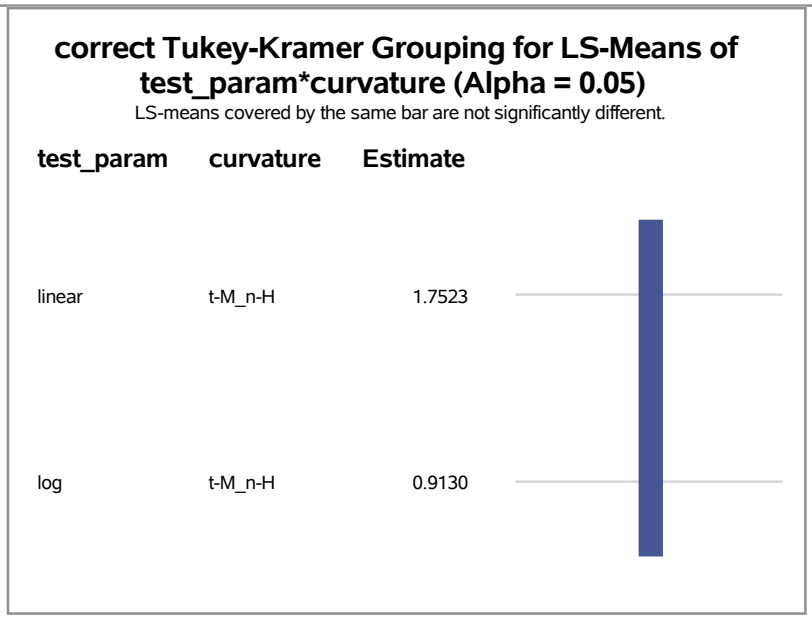


F Test for test_param*curvature Least Squares Means Slice				
Slice	Num DF	Den DF	F Value	Pr > F
curvature t-M_n-H	1	230	2.04	0.1544

The GLIMMIX Procedure

Simple Differences of test_param*curvature Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer								
Slice	**test_param**	**_test_param**	**Estimate**	**Standard Error**	**DF**	**t Value**	**Pr > |t|**	**Adj P**
curvature t-M_n-H	linear	log	0.8393	0.5874	230	1.43	0.1544	0.1544



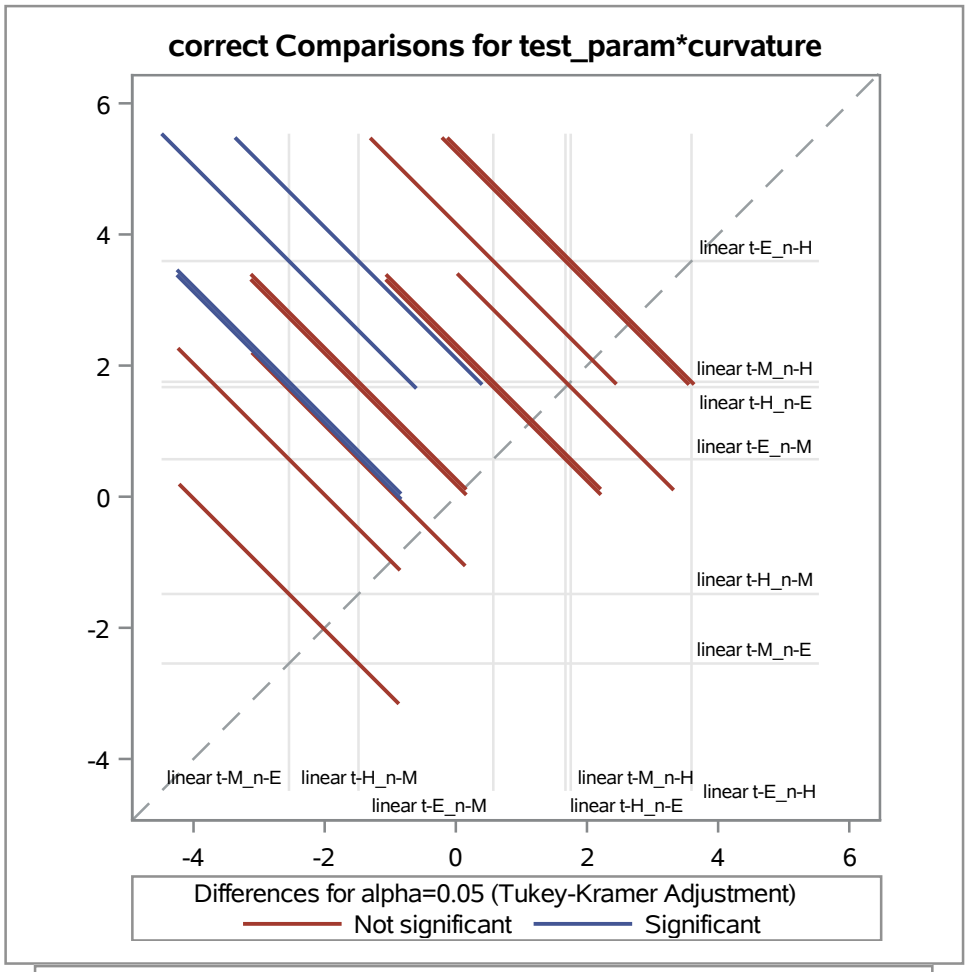


The GLIMMIX Procedure

F Test for test_param*curvature Least Squares Means Slice				
Slice	Num DF	Den DF	F Value	Pr > F
test_param linear	5	230	6.21	<.0001

Simple Differences of test_param*curvature Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer								
Slice	curvature	_curvature	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P
test_param linear	t-E_n-H	t-E_n-M	3.0223	1.3069	230	2.31	0.0216	0.1932
test_param linear	t-E_n-H	t-H_n-E	1.9223	1.3114	230	1.47	0.1441	0.6864
test_param linear	t-E_n-H	t-H_n-M	5.0776	1.3113	230	3.87	0.0001	0.0019
test_param linear	t-E_n-H	t-M_n-E	6.1381	1.3519	230	4.54	<.0001	0.0001
test_param linear	t-E_n-H	t-M_n-H	1.8417	1.3099	230	1.41	0.1611	0.7234
test_param linear	t-E_n-M	t-H_n-E	-1.1000	1.1422	230	-0.96	0.3365	0.9291
test_param linear	t-E_n-M	t-H_n-M	2.0553	1.1325	230	1.81	0.0709	0.4583
test_param linear	t-E_n-M	t-M_n-E	3.1158	1.1787	230	2.64	0.0088	0.0912
test_param linear	t-E_n-M	t-M_n-H	-1.1806	1.1398	230	-1.04	0.3014	0.9054
test_param linear	t-H_n-E	t-H_n-M	3.1553	1.1443	230	2.76	0.0063	0.0683
test_param linear	t-H_n-E	t-M_n-E	4.2158	1.1903	230	3.54	0.0005	0.0063
test_param linear	t-H_n-E	t-M_n-H	-0.08062	1.1489	230	-0.07	0.9441	1.0000
test_param linear	t-H_n-M	t-M_n-E	1.0605	1.1661	230	0.91	0.3641	0.9438
test_param linear	t-H_n-M	t-M_n-H	-3.2360	1.1432	230	-2.83	0.0051	0.0562
test_param linear	t-M_n-E	t-M_n-H	-4.2964	1.1890	230	-3.61	0.0004	0.0049

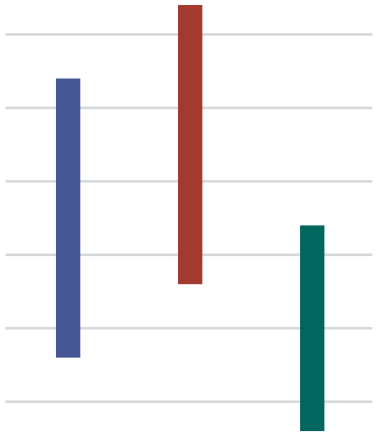
The GLIMMIX Procedure



correct Tukey-Kramer Grouping for LS-Means of test_param*curvature (Alpha = 0.05)

LS-means covered by the same bar are not significantly different.

test_param	curvature	Estimate
linear	t-E_n-H	3.5939
linear	t-M_n-H	1.7523
linear	t-H_n-E	1.6716
linear	t-E_n-M	0.5716
linear	t-H_n-M	-1.4837
linear	t-M_n-E	-2.5442

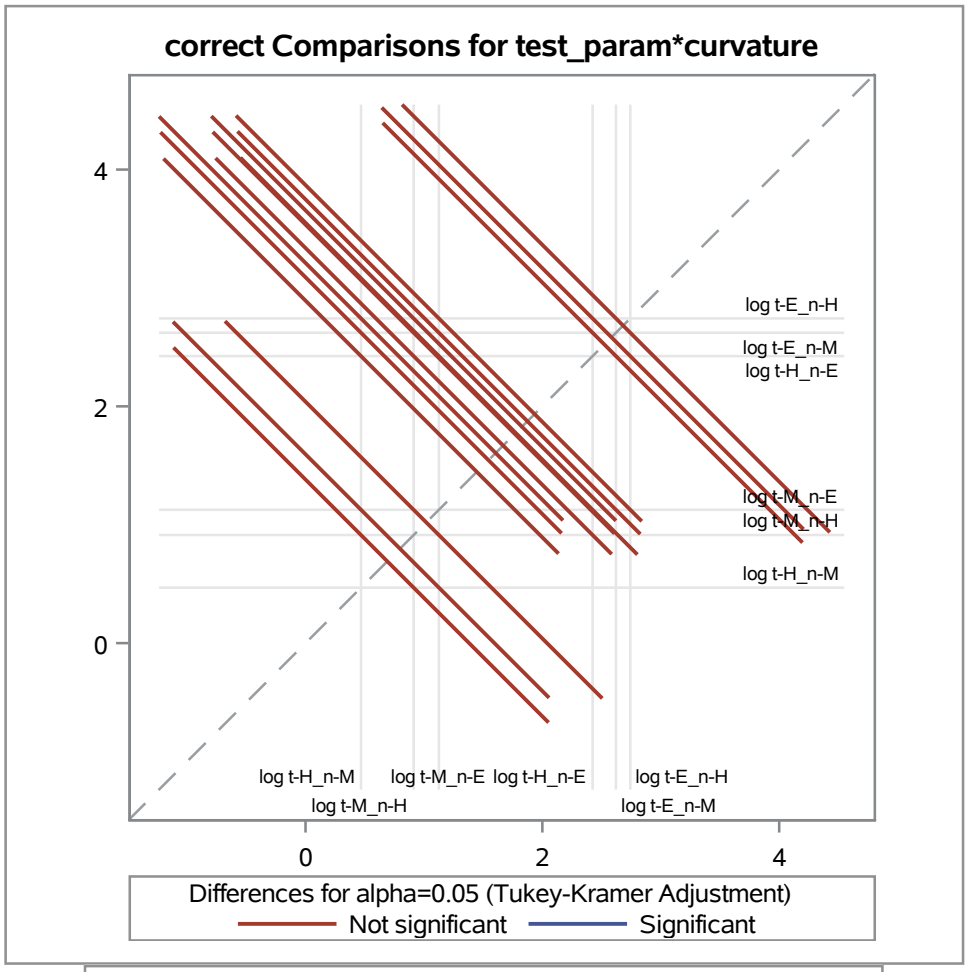


The GLIMMIX Procedure

F Test for test_param*curvature Least Squares Means Slice				
Slice	Num DF	Den DF	F Value	Pr > F
test_param log	5	230	1.42	0.2193

Simple Differences of test_param*curvature Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer								
Slice	curvature	_curvature	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P
test_param log	t-E_n-H	t-E_n-M	0.1209	1.2570	230	0.10	0.9234	1.0000
test_param log	t-E_n-H	t-H_n-E	0.3183	1.2393	230	0.26	0.7975	0.9998
test_param log	t-E_n-H	t-H_n-M	2.2740	1.1871	230	1.92	0.0567	0.3953
test_param log	t-E_n-H	t-M_n-E	1.6163	1.1923	230	1.36	0.1766	0.7534
test_param log	t-E_n-H	t-M_n-H	1.8297	1.1893	230	1.54	0.1253	0.6398
test_param log	t-E_n-M	t-H_n-E	0.1974	1.2335	230	0.16	0.8730	1.0000
test_param log	t-E_n-M	t-H_n-M	2.1530	1.1787	230	1.83	0.0691	0.4507
test_param log	t-E_n-M	t-M_n-E	1.4953	1.1837	230	1.26	0.2078	0.8046
test_param log	t-E_n-M	t-M_n-H	1.7087	1.1805	230	1.45	0.1491	0.6979
test_param log	t-H_n-E	t-H_n-M	1.9557	1.1608	230	1.68	0.0934	0.5433
test_param log	t-H_n-E	t-M_n-E	1.2980	1.1664	230	1.11	0.2670	0.8758
test_param log	t-H_n-E	t-M_n-H	1.5114	1.1640	230	1.30	0.1954	0.7857
test_param log	t-H_n-M	t-M_n-E	-0.6577	1.1053	230	-0.60	0.5524	0.9913
test_param log	t-H_n-M	t-M_n-H	-0.4443	1.1021	230	-0.40	0.6872	0.9986
test_param log	t-M_n-E	t-M_n-H	0.2134	1.1087	230	0.19	0.8475	1.0000

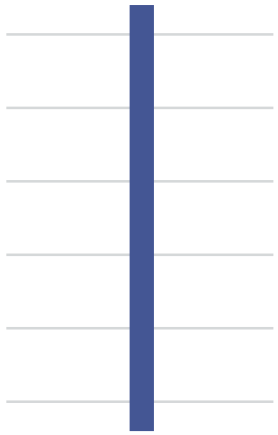
The GLIMMIX Procedure



correct Tukey-Kramer Grouping for LS-Means of test_param*curvature (Alpha = 0.05)

LS-means covered by the same bar are not significantly different.

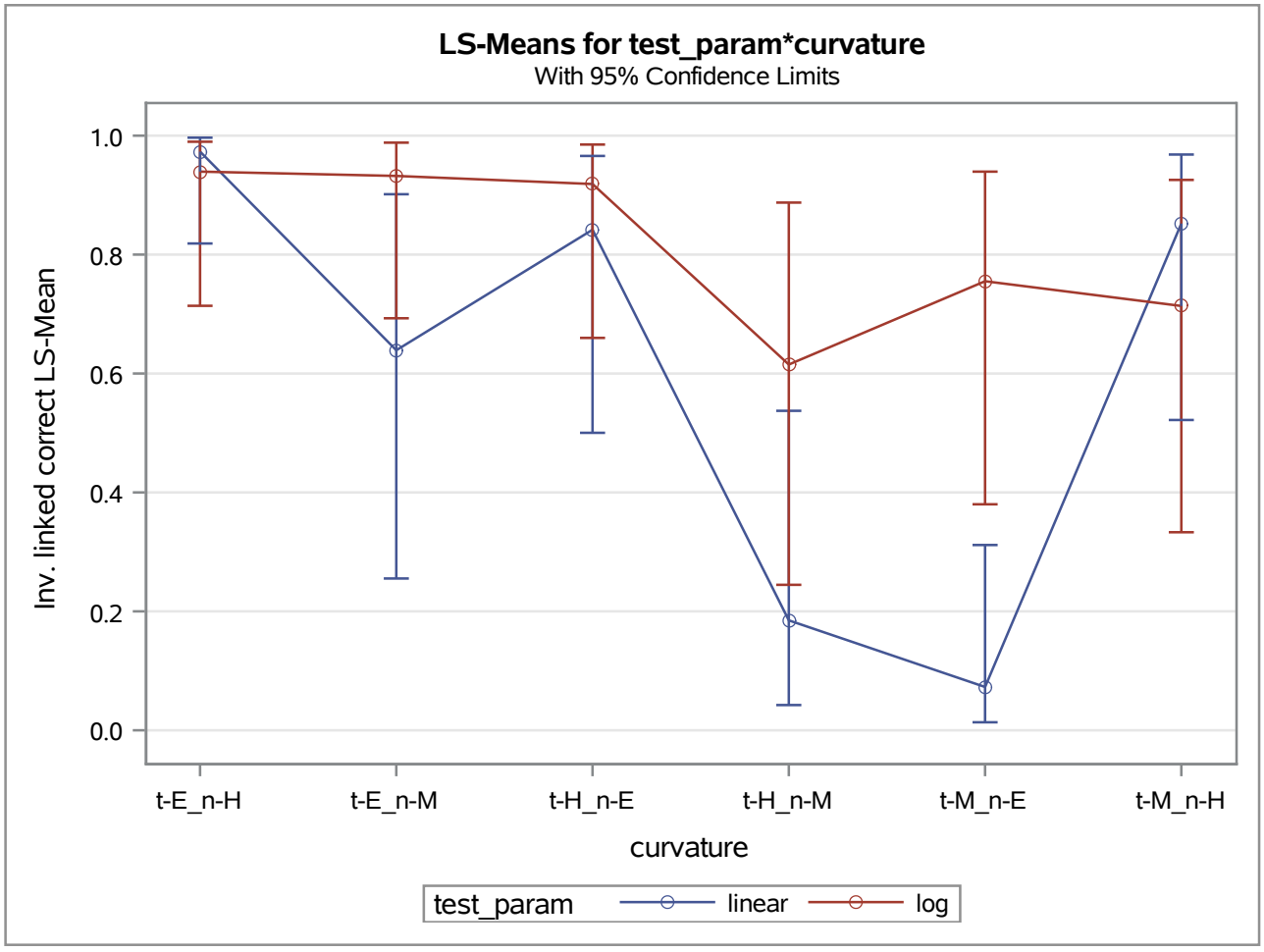
test_param	curvature	Estimate
log	t-E_n-H	2.7426
log	t-E_n-M	2.6217
log	t-H_n-E	2.4243
log	t-M_n-E	1.1264
log	t-M_n-H	0.9130
log	t-H_n-M	0.4687



The GLIMMIX Procedure

test_param*curvature Least Squares Means

test_param	curvature	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper	Mean	Standard Error Mean	Lower Mean	Upper Mean
linear	t-E_n-H	3.5939	1.0591	230	3.39	0.0008	0.05	1.5071	5.6808	0.9732	0.02758	0.8186	0.9966
linear	t-E_n-M	0.5716	0.8335	230	0.69	0.4935	0.05	-1.0706	2.2139	0.6391	0.1922	0.2553	0.9015
linear	t-H_n-E	1.6716	0.8479	230	1.97	0.0499	0.05	0.000956	3.3423	0.8418	0.1129	0.5002	0.9659
linear	t-H_n-M	-1.4837	0.8288	230	-1.79	0.0747	0.05	-3.1167	0.1494	0.1849	0.1249	0.04242	0.5373
linear	t-M_n-E	-2.5442	0.8888	230	-2.86	0.0046	0.05	-4.2954	-0.7929	0.07282	0.06001	0.01345	0.3115
linear	t-M_n-H	1.7523	0.8450	230	2.07	0.0392	0.05	0.08733	3.4172	0.8522	0.1064	0.5218	0.9682
log	t-E_n-H	2.7426	0.9280	230	2.96	0.0034	0.05	0.9142	4.5710	0.9395	0.05275	0.7139	0.9898
log	t-E_n-M	2.6217	0.9176	230	2.86	0.0047	0.05	0.8138	4.4296	0.9322	0.05796	0.6929	0.9882
log	t-H_n-E	2.4243	0.8941	230	2.71	0.0072	0.05	0.6626	4.1861	0.9187	0.06681	0.6598	0.9850
log	t-H_n-M	0.4687	0.8101	230	0.58	0.5635	0.05	-1.1274	2.0648	0.6151	0.1918	0.2446	0.8874
log	t-M_n-E	1.1264	0.8200	230	1.37	0.1709	0.05	-0.4894	2.7421	0.7552	0.1516	0.3800	0.9395
log	t-M_n-H	0.9130	0.8158	230	1.12	0.2643	0.05	-0.6944	2.5203	0.7136	0.1667	0.3331	0.9256



The GLIMMIX Procedure

Differences of test_param*curvature Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

test_param	curvature	_test_param	_curvature	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
linear	t-E_n-H	linear	t-E_n-M	3.0223	1.3069	230	2.31	0.0216	0.4707	0.05	0.4473	5.5973
linear	t-E_n-H	linear	t-H_n-E	1.9223	1.3114	230	1.47	0.1441	0.9482	0.05	-0.6616	4.5062
linear	t-E_n-H	linear	t-H_n-M	5.0776	1.3113	230	3.87	0.0001	0.0076	0.05	2.4938	7.6614
linear	t-E_n-H	linear	t-M_n-E	6.1381	1.3519	230	4.54	<.0001	0.0006	0.05	3.4744	8.8018
linear	t-E_n-H	linear	t-M_n-H	1.8417	1.3099	230	1.41	0.1611	0.9614	0.05	-0.7393	4.4226
linear	t-E_n-H	log	t-E_n-H	0.8513	0.9540	230	0.89	0.3731	0.9991	0.05	-1.0284	2.7310
linear	t-E_n-H	log	t-E_n-M	0.9722	1.3559	230	0.72	0.4741	0.9999	0.05	-1.6994	3.6438
linear	t-E_n-H	log	t-H_n-E	1.1696	1.3387	230	0.87	0.3832	0.9993	0.05	-1.4680	3.8072
linear	t-E_n-H	log	t-H_n-M	3.1253	1.2926	230	2.42	0.0164	0.3984	0.05	0.5784	5.6721
linear	t-E_n-H	log	t-M_n-E	2.4676	1.2969	230	1.90	0.0583	0.7564	0.05	-0.08766	5.0228
linear	t-E_n-H	log	t-M_n-H	2.6810	1.2943	230	2.07	0.0394	0.6436	0.05	0.1308	5.2311
linear	t-E_n-M	linear	t-H_n-E	-1.1000	1.1422	230	-0.96	0.3365	0.9983	0.05	-3.3505	1.1505
linear	t-E_n-M	linear	t-H_n-M	2.0553	1.1325	230	1.81	0.0709	0.8084	0.05	-0.1761	4.2868
linear	t-E_n-M	linear	t-M_n-E	3.1158	1.1787	230	2.64	0.0088	0.2621	0.05	0.7934	5.4382
linear	t-E_n-M	linear	t-M_n-H	-1.1806	1.1398	230	-1.04	0.3014	0.9967	0.05	-3.4265	1.0652
linear	t-E_n-M	log	t-E_n-H	-2.1710	1.2028	230	-1.80	0.0724	0.8138	0.05	-4.5410	0.1990
linear	t-E_n-M	log	t-E_n-M	-2.0501	0.7014	230	-2.92	0.0038	0.1399	0.05	-3.4321	-0.6681
linear	t-E_n-M	log	t-H_n-E	-1.8527	1.1772	230	-1.57	0.1169	0.9168	0.05	-4.1722	0.4668
linear	t-E_n-M	log	t-H_n-M	0.1030	1.1155	230	0.09	0.9265	1.0000	0.05	-2.0949	2.3009
linear	t-E_n-M	log	t-M_n-E	-0.5547	1.1216	230	-0.49	0.6214	1.0000	0.05	-2.7647	1.6552
linear	t-E_n-M	log	t-M_n-H	-0.3413	1.1185	230	-0.31	0.7605	1.0000	0.05	-2.5451	1.8624
linear	t-H_n-E	linear	t-H_n-M	3.1553	1.1443	230	2.76	0.0063	0.2058	0.05	0.9006	5.4100
linear	t-H_n-E	linear	t-M_n-E	4.2158	1.1903	230	3.54	0.0005	0.0237	0.05	1.8706	6.5610
linear	t-H_n-E	linear	t-M_n-H	-0.08062	1.1489	230	-0.07	0.9441	1.0000	0.05	-2.3444	2.1831
linear	t-H_n-E	log	t-E_n-H	-1.0710	1.2087	230	-0.89	0.3765	0.9992	0.05	-3.4525	1.3105
linear	t-H_n-E	log	t-E_n-M	-0.9501	1.2015	230	-0.79	0.4299	0.9997	0.05	-3.3174	1.4173
linear	t-H_n-E	log	t-H_n-E	-0.7527	0.6951	230	-1.08	0.2800	0.9951	0.05	-2.1223	0.6169
linear	t-H_n-E	log	t-H_n-M	1.2030	1.1257	230	1.07	0.2863	0.9957	0.05	-1.0150	3.4209
linear	t-H_n-E	log	t-M_n-E	0.5453	1.1320	230	0.48	0.6305	1.0000	0.05	-1.6852	2.7758
linear	t-H_n-E	log	t-M_n-H	0.7587	1.1286	230	0.67	0.5021	0.9999	0.05	-1.4649	2.9823
linear	t-H_n-M	linear	t-M_n-E	1.0605	1.1661	230	0.91	0.3641	0.9990	0.05	-1.2371	3.3581
linear	t-H_n-M	linear	t-M_n-H	-3.2360	1.1432	230	-2.83	0.0051	0.1744	0.05	-5.4885	-0.9834
linear	t-H_n-M	log	t-E_n-H	-4.2263	1.2069	230	-3.50	0.0006	0.0270	0.05	-6.6044	-1.8482
linear	t-H_n-M	log	t-E_n-M	-4.1054	1.1989	230	-3.42	0.0007	0.0345	0.05	-6.4677	-1.7431

The GLIMMIX Procedure

Differences of test_param*curvature Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
test_param	curvature	_test_param	_curvature	Adj Lower	Adj Upper
linear	t-E_n-H	linear	t-E_n-M	-1.2932	7.3378
linear	t-E_n-H	linear	t-H_n-E	-2.4081	6.2527
linear	t-E_n-H	linear	t-H_n-M	0.7474	9.4078
linear	t-E_n-H	linear	t-M_n-E	1.6739	10.6023
linear	t-E_n-H	linear	t-M_n-H	-2.4837	6.1671
linear	t-E_n-H	log	t-E_n-H	-2.2989	4.0015
linear	t-E_n-H	log	t-E_n-M	-3.5051	5.4496
linear	t-E_n-H	log	t-H_n-E	-3.2508	5.5900
linear	t-E_n-H	log	t-H_n-M	-1.1431	7.3936
linear	t-E_n-H	log	t-M_n-E	-1.8148	6.7500
linear	t-E_n-H	log	t-M_n-H	-1.5928	6.9548
linear	t-E_n-M	linear	t-H_n-E	-4.8716	2.6716
linear	t-E_n-M	linear	t-H_n-M	-1.6844	5.7950
linear	t-E_n-M	linear	t-M_n-E	-0.7764	7.0079
linear	t-E_n-M	linear	t-M_n-H	-4.9445	2.5832
linear	t-E_n-M	log	t-E_n-H	-6.1429	1.8009
linear	t-E_n-M	log	t-E_n-M	-4.3662	0.2661
linear	t-E_n-M	log	t-H_n-E	-5.7400	2.0346
linear	t-E_n-M	log	t-H_n-M	-3.5805	3.7864
linear	t-E_n-M	log	t-M_n-E	-4.2584	3.1489
linear	t-E_n-M	log	t-M_n-H	-4.0346	3.3520
linear	t-H_n-E	linear	t-H_n-M	-0.6233	6.9340
linear	t-H_n-E	linear	t-M_n-E	0.2855	8.1462
linear	t-H_n-E	linear	t-M_n-H	-3.8745	3.7132
linear	t-H_n-E	log	t-E_n-H	-5.0622	2.9202
linear	t-H_n-E	log	t-E_n-M	-4.9175	3.0174
linear	t-H_n-E	log	t-H_n-E	-3.0480	1.5426
linear	t-H_n-E	log	t-H_n-M	-2.5141	4.9201
linear	t-H_n-E	log	t-M_n-E	-3.1928	4.2834
linear	t-H_n-E	log	t-M_n-H	-2.9679	4.4853
linear	t-H_n-M	linear	t-M_n-E	-2.7901	4.9110
linear	t-H_n-M	linear	t-M_n-H	-7.0110	0.5391
linear	t-H_n-M	log	t-E_n-H	-8.2118	-0.2409
linear	t-H_n-M	log	t-E_n-M	-8.0643	-0.1464

The GLIMMIX Procedure

Differences of test_param*curvature Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

test_param	curvature	_test_param	_curvature	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
linear	t-H_n-M	log	t-H_n-E	-3.9080	1.1804	230	-3.31	0.0011	0.0487	0.05	-6.2338	-1.5822
linear	t-H_n-M	log	t-H_n-M	-1.9524	0.5720	230	-3.41	0.0008	0.0357	0.05	-3.0794	-0.8253
linear	t-H_n-M	log	t-M_n-E	-2.6100	1.1235	230	-2.32	0.0210	0.4633	0.05	-4.8236	-0.3965
linear	t-H_n-M	log	t-M_n-H	-2.3966	1.1198	230	-2.14	0.0334	0.5945	0.05	-4.6031	-0.1902
linear	t-M_n-E	linear	t-M_n-H	-4.2964	1.1890	230	-3.61	0.0004	0.0187	0.05	-6.6391	-1.9538
linear	t-M_n-E	log	t-E_n-H	-5.2868	1.2508	230	-4.23	<.0001	0.0020	0.05	-7.7514	-2.8222
linear	t-M_n-E	log	t-E_n-M	-5.1659	1.2430	230	-4.16	<.0001	0.0026	0.05	-7.6151	-2.7167
linear	t-M_n-E	log	t-H_n-E	-4.9685	1.2253	230	-4.06	<.0001	0.0039	0.05	-7.3827	-2.5543
linear	t-M_n-E	log	t-H_n-M	-3.0128	1.1611	230	-2.59	0.0101	0.2888	0.05	-5.3006	-0.7251
linear	t-M_n-E	log	t-M_n-E	-3.6705	0.6743	230	-5.44	<.0001	<.0001	0.05	-4.9990	-2.3420
linear	t-M_n-E	log	t-M_n-H	-3.4571	1.1663	230	-2.96	0.0034	0.1262	0.05	-5.7551	-1.1592
linear	t-M_n-H	log	t-E_n-H	-0.9904	1.2071	230	-0.82	0.4128	0.9996	0.05	-3.3687	1.3880
linear	t-M_n-H	log	t-E_n-M	-0.8694	1.1987	230	-0.73	0.4690	0.9999	0.05	-3.2313	1.4924
linear	t-M_n-H	log	t-H_n-E	-0.6721	1.1820	230	-0.57	0.5702	1.0000	0.05	-3.0010	1.6569
linear	t-M_n-H	log	t-H_n-M	1.2836	1.1233	230	1.14	0.2544	0.9923	0.05	-0.9298	3.4970
linear	t-M_n-H	log	t-M_n-E	0.6259	1.1294	230	0.55	0.5800	1.0000	0.05	-1.5995	2.8513
linear	t-M_n-H	log	t-M_n-H	0.8393	0.5874	230	1.43	0.1544	0.9567	0.05	-0.3180	1.9966
log	t-E_n-H	log	t-E_n-M	0.1209	1.2570	230	0.10	0.9234	1.0000	0.05	-2.3557	2.5976
log	t-E_n-H	log	t-H_n-E	0.3183	1.2393	230	0.26	0.7975	1.0000	0.05	-2.1236	2.7601
log	t-E_n-H	log	t-H_n-M	2.2740	1.1871	230	1.92	0.0567	0.7484	0.05	-0.06502	4.6129
log	t-E_n-H	log	t-M_n-E	1.6163	1.1923	230	1.36	0.1766	0.9704	0.05	-0.7329	3.9655
log	t-E_n-H	log	t-M_n-H	1.8297	1.1893	230	1.54	0.1253	0.9282	0.05	-0.5137	4.1730
log	t-E_n-M	log	t-H_n-E	0.1974	1.2335	230	0.16	0.8730	1.0000	0.05	-2.2331	2.6278
log	t-E_n-M	log	t-H_n-M	2.1530	1.1787	230	1.83	0.0691	0.8017	0.05	-0.1694	4.4754
log	t-E_n-M	log	t-M_n-E	1.4953	1.1837	230	1.26	0.2078	0.9827	0.05	-0.8369	3.8276
log	t-E_n-M	log	t-M_n-H	1.7087	1.1805	230	1.45	0.1491	0.9526	0.05	-0.6173	4.0348
log	t-H_n-E	log	t-H_n-M	1.9557	1.1608	230	1.68	0.0934	0.8735	0.05	-0.3316	4.2429
log	t-H_n-E	log	t-M_n-E	1.2980	1.1664	230	1.11	0.2670	0.9939	0.05	-1.0003	3.5963
log	t-H_n-E	log	t-M_n-H	1.5114	1.1640	230	1.30	0.1954	0.9786	0.05	-0.7820	3.8048
log	t-H_n-M	log	t-M_n-E	-0.6577	1.1053	230	-0.60	0.5524	1.0000	0.05	-2.8355	1.5201
log	t-H_n-M	log	t-M_n-H	-0.4443	1.1021	230	-0.40	0.6872	1.0000	0.05	-2.6158	1.7272
log	t-M_n-E	log	t-M_n-H	0.2134	1.1087	230	0.19	0.8475	1.0000	0.05	-1.9711	2.3979

The GLIMMIX Procedure

Differences of test_param*curvature Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
test_param	curvature	_test_param	_curvature	Adj Lower	Adj Upper
linear	t-H_n-M	log	t-H_n-E	-7.8059	-0.01015
linear	t-H_n-M	log	t-H_n-M	-3.8412	-0.06355
linear	t-H_n-M	log	t-M_n-E	-6.3198	1.0997
linear	t-H_n-M	log	t-M_n-H	-6.0944	1.3011
linear	t-M_n-E	linear	t-M_n-H	-8.2225	-0.3704
linear	t-M_n-E	log	t-E_n-H	-9.4172	-1.1564
linear	t-M_n-E	log	t-E_n-M	-9.2705	-1.0612
linear	t-M_n-E	log	t-H_n-E	-9.0144	-0.9225
linear	t-M_n-E	log	t-H_n-M	-6.8469	0.8212
linear	t-M_n-E	log	t-M_n-E	-5.8970	-1.4441
linear	t-M_n-E	log	t-M_n-H	-7.3083	0.3940
linear	t-M_n-H	log	t-E_n-H	-4.9762	2.9955
linear	t-M_n-H	log	t-E_n-M	-4.8276	3.0888
linear	t-M_n-H	log	t-H_n-E	-4.5752	3.2311
linear	t-M_n-H	log	t-H_n-M	-2.4258	4.9930
linear	t-M_n-H	log	t-M_n-E	-3.1036	4.3554
linear	t-M_n-H	log	t-M_n-H	-1.1002	2.7788
log	t-E_n-H	log	t-E_n-M	-4.0297	4.2716
log	t-E_n-H	log	t-H_n-E	-3.7740	4.4106
log	t-E_n-H	log	t-H_n-M	-1.6460	6.1939
log	t-E_n-H	log	t-M_n-E	-2.3208	5.5533
log	t-E_n-H	log	t-M_n-H	-2.0976	5.7569
log	t-E_n-M	log	t-H_n-E	-3.8758	4.2705
log	t-E_n-M	log	t-H_n-M	-1.7391	6.0452
log	t-E_n-M	log	t-M_n-E	-2.4133	5.4040
log	t-E_n-M	log	t-M_n-H	-2.1894	5.6069
log	t-H_n-E	log	t-H_n-M	-1.8775	5.7889
log	t-H_n-E	log	t-M_n-E	-2.5537	5.1497
log	t-H_n-E	log	t-M_n-H	-2.3321	5.3549
log	t-H_n-M	log	t-M_n-E	-4.3075	2.9921
log	t-H_n-M	log	t-M_n-H	-4.0836	3.1950
log	t-M_n-E	log	t-M_n-H	-3.4476	3.8744

The GLIMMIX Procedure

Conservative Tukey-Kramer Grouping for test_param*curvature Least Squares Means (Alpha=0.05)					
LS-means with the same letter are not significantly different.					
test_param	**curvature**	**Estimate**			
linear	t-E_n-H	3.5939		A	
				A	
log	t-E_n-H	2.7426		A	
				A	
log	t-E_n-M	2.6217		A	
				A	
log	t-H_n-E	2.4243		A	
				A	
linear	t-M_n-H	1.7523	B	A	
			B	A	
linear	t-H_n-E	1.6716	B	A	
			B	A	
log	t-M_n-E	1.1264	B	A	
			B	A	
log	t-M_n-H	0.9130	B	A	C
			B	A	C
linear	t-E_n-M	0.5716	B	A	C
			B	A	C
log	t-H_n-M	0.4687	B	A	C
			B		C
linear	t-H_n-M	-1.4837	B		C
					C
linear	t-M_n-E	-2.5442			C
The LINES display does not reflect all significant comparisons. The following additional pairs are significantly different: (log t-H_n-M,linear t-H_n-M).					

The GLIMMIX Procedure

Tests of Effect Slices for test_param*curvature Sliced By curvature				
curvature	Num DF	Den DF	F Value	Pr > F
t-E_n-H	1	230	0.80	0.3731
t-E_n-M	1	230	8.54	0.0038
t-H_n-E	1	230	1.17	0.2800
t-H_n-M	1	230	11.65	0.0008
t-M_n-E	1	230	29.64	<.0001
t-M_n-H	1	230	2.04	0.1544

Tests of Effect Slices for test_param*curvature Sliced By test_param				
test_param	Num DF	Den DF	F Value	Pr > F
linear	5	230	6.21	<.0001
log	5	230	1.42	0.2193