

**FINAL UG GLMM: group, stake, fairness.**  
**No Ideators**

**The GLIMMIX Procedure**

Model Information	
Data Set	UG.UG_GEEORIG
Response Variable	accept
Response Distribution	Binary
Link Function	Logit
Variance Function	Default
Variance Matrix Blocked By	ID
Estimation Technique	Maximum Likelihood
Likelihood Approximation	Gauss-Hermite Quadrature
Degrees of Freedom Method	Between-Within

Class Level Information		
Class	Levels	Values
Gender	2	F M
fairness	3	v unf fair m unf
Group12467	4	Control NS Depressed Low Leth High Leth
stake	2	high (>10) low (<=10)

Number of Observations Read	2472
Number of Observations Used	2472

Response Profile		
Ordered Value	accept	Total Frequency
1	0	1243
2	1	1229
The GLIMMIX procedure is modeling the probability that accept='1'.		

**FINAL UG GLMM: group, stake, fairness.**  
**No Ideators**

**The GLIMMIX Procedure**

Dimensions	
G-side Cov. Parameters	2
Columns in X	60
Columns in Z per Subject	2
Subjects (Blocks in V)	103
Max Obs per Subject	24

Optimization Information	
Optimization Technique	Newton-Raphson with Ridging
Parameters in Optimization	26
Lower Boundaries	2
Upper Boundaries	0
Fixed Effects	Not Profiled
Starting From	GLM estimates
Quadrature Points	8

Iteration History					
Iteration	Restarts	Evaluations	Objective Function	Change	Max Gradient
0	0	31	1996.3117392	.	2239.345
1	0	29	1900.4116088	95.90013043	1838.936
2	0	29	1886.6978598	13.71374897	776.1054
3	0	29	1884.8132512	1.88460862	174.8451
4	0	29	1884.6674594	0.14579177	13.00995
5	0	29	1884.6658935	0.00156586	0.090362
6	0	29	1884.6658933	0.00000024	0.00011

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

**FINAL UG GLMM: group, stake, fairness.**  
**No Ideators**

**The GLIMMIX Procedure**

Fit Statistics	
-2 Log Likelihood	1884.67
AIC (smaller is better)	1936.67
AICC (smaller is better)	1937.24
BIC (smaller is better)	2005.17
CAIC (smaller is better)	2031.17
HQIC (smaller is better)	1964.41

Fit Statistics for Conditional Distribution	
-2 log L(accept   r. effects)	1465.22
Pearson Chi-Square	3076.61
Pearson Chi-Square / DF	1.24

Estimated G Matrix			
Effect	Row	Col1	Col2
Intercept	1	4.9936	
trial	2		0.004578

Covariance Parameter Estimates			
Cov Parm	Subject	Estimate	Standard Error
Intercept	ID	4.9936	0.9754
trial	ID	0.004578	0.001902

Solutions for Fixed Effects								
Effect	fairness	Group12467	stake	Estimate	Standard Error	DF	t Value	Pr >  t
Intercept				-0.2388	0.5317	99	-0.45	0.6543
fairness	v unf			-1.3501	0.4233	198	-3.19	0.0017
fairness	fair			3.2721	0.4380	198	7.47	<.0001
fairness	m unf			0	.	.	.	.
stake			high (>10)	-0.8774	0.3951	99	-2.22	0.0286

**FINAL UG GLMM: group, stake, fairness.**  
**No Ideators**

**The GLIMMIX Procedure**

Solutions for Fixed Effects								
Effect	fairness	Group12467	stake	Estimate	Standard Error	DF	t Value	Pr >  t
stake			low (<=10)	0	.	.	.	.
fairness*stake	v unf		high (>10)	1.3031	0.5981	198	2.18	0.0305
fairness*stake	v unf		low (<=10)	0	.	.	.	.
fairness*stake	fair		high (>10)	0.6963	0.5980	198	1.16	0.2457
fairness*stake	fair		low (<=10)	0	.	.	.	.
fairness*stake	m unf		high (>10)	0	.	.	.	.
fairness*stake	m unf		low (<=10)	0	.	.	.	.
Group12467		Control		-1.2507	0.8075	99	-1.55	0.1246
Group12467		NS Depressed		-0.6199	0.7138	99	-0.87	0.3872
Group12467		Low Leth		-1.2273	0.8280	99	-1.48	0.1415
Group12467		High Leth		0	.	.	.	.
fairness*Group12467	v unf	Control		0.2864	0.6539	198	0.44	0.6619
fairness*Group12467	v unf	NS Depressed		-0.2680	0.5872	198	-0.46	0.6486
fairness*Group12467	v unf	Low Leth		0.2223	0.6757	198	0.33	0.7426
fairness*Group12467	v unf	High Leth		0	.	.	.	.
fairness*Group12467	fair	Control		1.9435	0.7782	198	2.50	0.0133
fairness*Group12467	fair	NS Depressed		0.5271	0.5970	198	0.88	0.3783
fairness*Group12467	fair	Low Leth		0.8907	0.7128	198	1.25	0.2129
fairness*Group12467	fair	High Leth		0	.	.	.	.
fairness*Group12467	m unf	Control		0	.	.	.	.
fairness*Group12467	m unf	NS Depressed		0	.	.	.	.
fairness*Group12467	m unf	Low Leth		0	.	.	.	.
fairness*Group12467	m unf	High Leth		0	.	.	.	.
Group12467*stake		Control	high (>10)	1.6687	0.5940	99	2.81	0.0060
Group12467*stake		Control	low (<=10)	0	.	.	.	.
Group12467*stake		NS Depressed	high (>10)	1.3098	0.5290	99	2.48	0.0150
Group12467*stake		NS Depressed	low (<=10)	0	.	.	.	.
Group12467*stake		Low Leth	high (>10)	1.6770	0.6211	99	2.70	0.0082
Group12467*stake		Low Leth	low (<=10)	0	.	.	.	.
Group12467*stake		High Leth	high (>10)	0	.	.	.	.

**FINAL UG GLMM: group, stake, fairness.**  
**No Ideators**

**The GLIMMIX Procedure**

Solutions for Fixed Effects								
Effect	fairness	Group12467	stake	Estimate	Standard Error	DF	t Value	Pr >  t
Group12467*stake		High Leth	low (<=10)	0	.	.	.	.
fairne*Group12*stake	v unf	Control	high (>10)	-1.3582	0.8956	198	-1.52	0.1310
fairne*Group12*stake	v unf	Control	low (<=10)	0	.	.	.	.
fairne*Group12*stake	v unf	NS Depressed	high (>10)	-0.6825	0.8053	198	-0.85	0.3978
fairne*Group12*stake	v unf	NS Depressed	low (<=10)	0	.	.	.	.
fairne*Group12*stake	v unf	Low Leth	high (>10)	-0.2613	0.9220	198	-0.28	0.7771
fairne*Group12*stake	v unf	Low Leth	low (<=10)	0	.	.	.	.
fairne*Group12*stake	v unf	High Leth	high (>10)	0	.	.	.	.
fairne*Group12*stake	v unf	High Leth	low (<=10)	0	.	.	.	.
fairne*Group12*stake	fair	Control	high (>10)	-0.1824	1.0712	198	-0.17	0.8650
fairne*Group12*stake	fair	Control	low (<=10)	0	.	.	.	.
fairne*Group12*stake	fair	NS Depressed	high (>10)	-0.6507	0.8065	198	-0.81	0.4208
fairne*Group12*stake	fair	NS Depressed	low (<=10)	0	.	.	.	.
fairne*Group12*stake	fair	Low Leth	high (>10)	-0.8822	0.9541	198	-0.92	0.3563
fairne*Group12*stake	fair	Low Leth	low (<=10)	0	.	.	.	.
fairne*Group12*stake	fair	High Leth	high (>10)	0	.	.	.	.
fairne*Group12*stake	fair	High Leth	low (<=10)	0	.	.	.	.
fairne*Group12*stake	m unf	Control	high (>10)	0	.	.	.	.
fairne*Group12*stake	m unf	Control	low (<=10)	0	.	.	.	.
fairne*Group12*stake	m unf	NS Depressed	high (>10)	0	.	.	.	.
fairne*Group12*stake	m unf	NS Depressed	low (<=10)	0	.	.	.	.
fairne*Group12*stake	m unf	Low Leth	high (>10)	0	.	.	.	.
fairne*Group12*stake	m unf	Low Leth	low (<=10)	0	.	.	.	.
fairne*Group12*stake	m unf	High Leth	high (>10)	0	.	.	.	.
fairne*Group12*stake	m unf	High Leth	low (<=10)	0	.	.	.	.

**FINAL UG GLMM: group, stake, fairness.**  
**No Ideators**

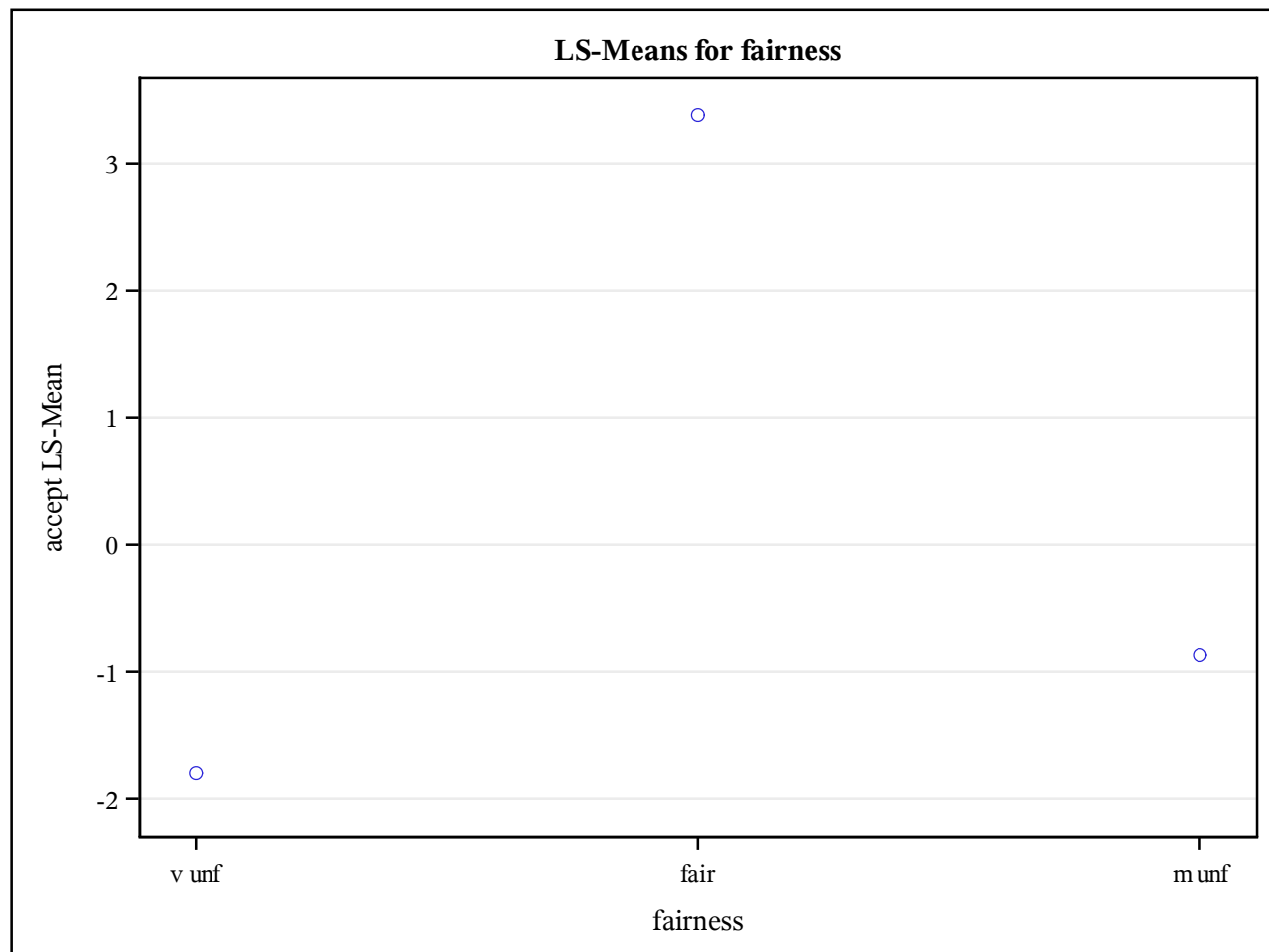
**The GLIMMIX Procedure**

Type III Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
fairness	2	198	223.14	<.0001
stake	1	99	18.64	<.0001
fairness*stake	2	198	2.65	0.0734
Group12467	3	99	0.05	0.9835
fairness*Group12467	6	198	2.16	0.0481
Group12467*stake	3	99	4.63	0.0045
fairne*Group12*stake	6	198	0.67	0.6771

fairness Least Squares Means					
fairness	Estimate	Standard Error	DF	t Value	Pr >  t
v unf	-1.7963	0.2696	198	-6.66	<.0001
fair	3.3761	0.2969	198	11.37	<.0001
m unf	-0.8701	0.2609	198	-3.33	0.0010

***FINAL UG GLMM: group, stake, fairness.***  
***No Ideators***

***The GLIMMIX Procedure***

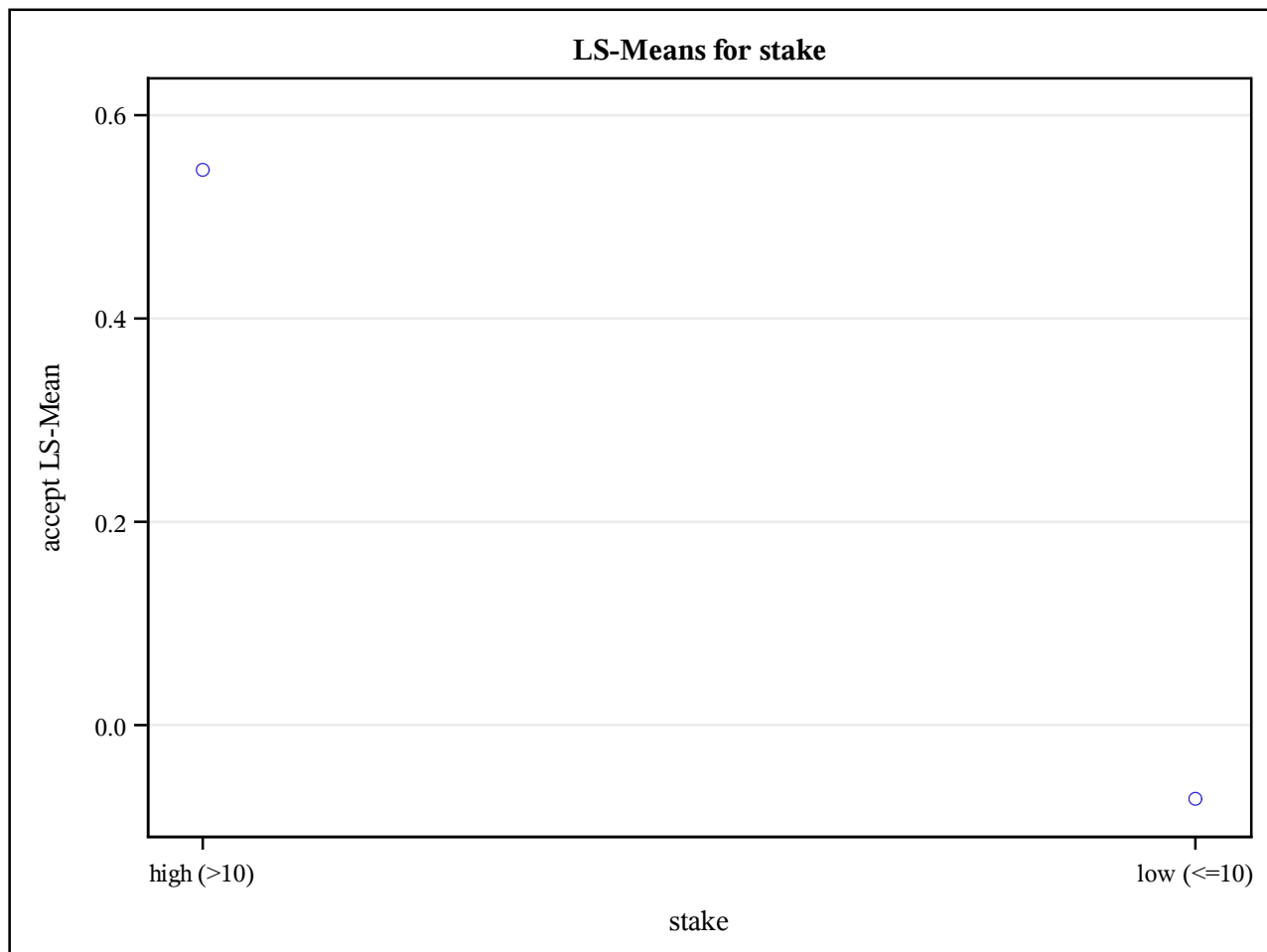


Differences of fairness Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer							
fairness	fairness	Estimate	Standard Error	DF	t Value	Pr >  t	Adj P
v unf	fair	-5.1724	0.2499	198	-20.69	<.0001	<.0001
v unf	m unf	-0.9262	0.1617	198	-5.73	<.0001	<.0001
fair	m unf	4.2462	0.2270	198	18.71	<.0001	<.0001

stake Least Squares Means					
stake	Estimate	Standard Error	DF	t Value	Pr >  t
high (>10)	0.5457	0.2580	99	2.11	0.0370
low (<=10)	-0.07248	0.2552	99	-0.28	0.7770

***FINAL UG GLMM: group, stake, fairness.***  
***No Ideators***

***The GLIMMIX Procedure***



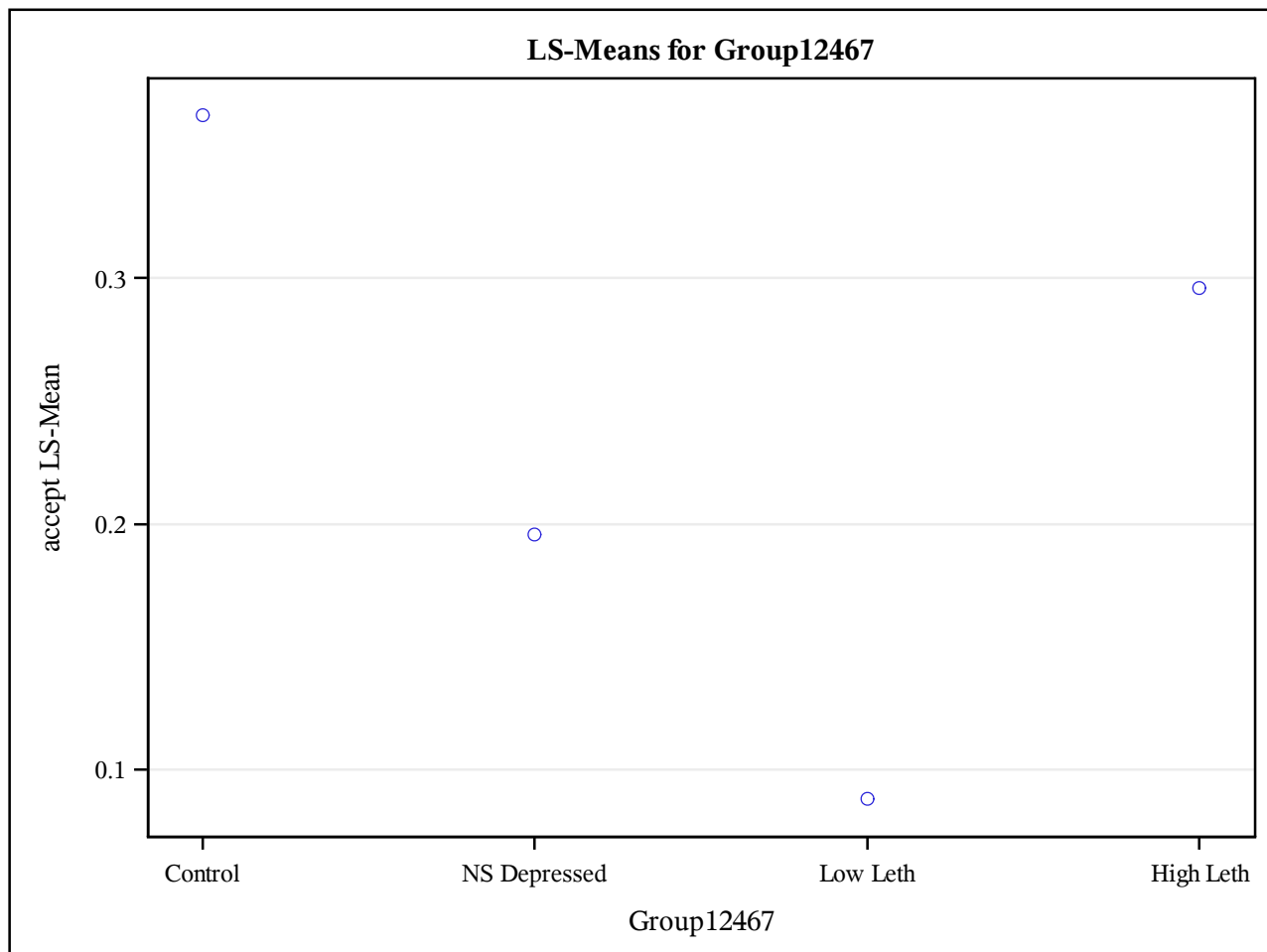
Differences of stake Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer							
stake	stake	Estimate	Standard Error	DF	t Value	Pr >  t	Adj P
high (>10)	low (<=10)	0.6181	0.1432	99	4.32	<.0001	<.0001

Group12467 Least Squares Means					
Group12467	Estimate	Standard Error	DF	t Value	Pr >  t
Control	0.3666	0.5292	99	0.69	0.4902
NS Depressed	0.1955	0.4119	99	0.47	0.6361
Low Leth	0.08792	0.5432	99	0.16	0.8718
High Leth	0.2963	0.4773	99	0.62	0.5361



***FINAL UG GLMM: group, stake, fairness.***  
***No Ideators***

***The GLIMMIX Procedure***

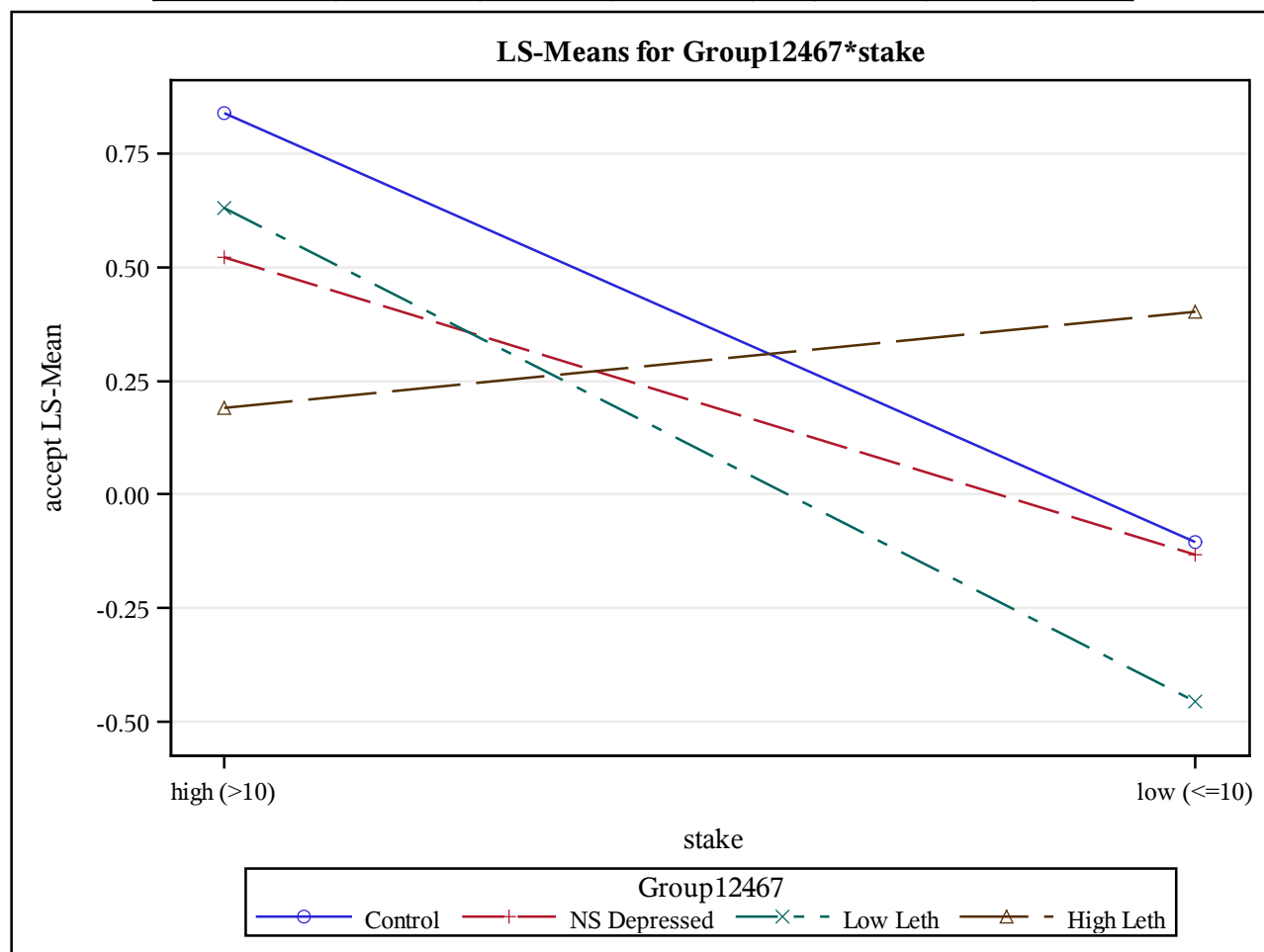


Differences of Group12467 Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer							
Group12467	Group12467	Estimate	Standard Error	DF	t Value	Pr >  t	Adj P
Control	NS Depressed	0.1710	0.6702	99	0.26	0.7991	0.9941
Control	Low Leth	0.2786	0.7577	99	0.37	0.7138	0.9829
Control	High Leth	0.07021	0.7136	99	0.10	0.9218	0.9997
NS Depressed	Low Leth	0.1076	0.6813	99	0.16	0.8748	0.9986
NS Depressed	High Leth	-0.1008	0.6305	99	-0.16	0.8733	0.9985
Low Leth	High Leth	-0.2084	0.7245	99	-0.29	0.7742	0.9917

**FINAL UG GLMM: group, stake, fairness.**  
**No Ideators**

**The GLIMMIX Procedure**

Group12467*stake Least Squares Means							
Group12467	stake	Estimate	Standard Error	DF	t Value	Pr >  t	Odds
Control	high (>10)	0.8387	0.5671	99	1.48	0.1423	2.3133
Control	low (<=10)	-0.1055	0.5450	99	-0.19	0.8468	0.8998
NS Depressed	high (>10)	0.5227	0.4265	99	1.23	0.2233	1.6867
NS Depressed	low (<=10)	-0.1317	0.4282	99	-0.31	0.7591	0.8766
Low Leth	high (>10)	0.6304	0.5641	99	1.12	0.2665	1.8783
Low Leth	low (<=10)	-0.4545	0.5655	99	-0.80	0.4235	0.6348
High Leth	high (>10)	0.1909	0.4912	99	0.39	0.6984	1.2103
High Leth	low (<=10)	0.4018	0.4950	99	0.81	0.4189	1.4946



**FINAL UG GLMM: group, stake, fairness.**  
**No Ideators**

**The GLIMMIX Procedure**

Differences of Group12467*stake Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer										
Group12467	stake	Group12467	stake	Estimate	Standard Error	DF	t Value	Pr >  t	Adj P	Odds Ratio
Control	high (>10)	Control	low (<=10)	0.9442	0.3419	99	2.76	0.0069	0.1169	2.571
Control	high (>10)	NS Depressed	high (>10)	0.3159	0.7090	99	0.45	0.6569	0.9998	1.372
Control	high (>10)	NS Depressed	low (<=10)	0.9704	0.7102	99	1.37	0.1749	0.8701	2.639
Control	high (>10)	Low Leth	high (>10)	0.2083	0.7992	99	0.26	0.7949	1.0000	1.232
Control	high (>10)	Low Leth	low (<=10)	1.2932	0.8004	99	1.62	0.1094	0.7398	3.644
Control	high (>10)	High Leth	high (>10)	0.6478	0.7506	99	0.86	0.3902	0.9886	1.911
Control	high (>10)	High Leth	low (<=10)	0.4368	0.7530	99	0.58	0.5632	0.9990	1.548
Control	low (<=10)	NS Depressed	high (>10)	-0.6283	0.6918	99	-0.91	0.3660	0.9846	0.534
Control	low (<=10)	NS Depressed	low (<=10)	0.02613	0.6926	99	0.04	0.9700	1.0000	1.026
Control	low (<=10)	Low Leth	high (>10)	-0.7359	0.7838	99	-0.94	0.3500	0.9814	0.479
Control	low (<=10)	Low Leth	low (<=10)	0.3490	0.7843	99	0.44	0.6573	0.9998	1.418
Control	low (<=10)	High Leth	high (>10)	-0.2964	0.7351	99	-0.40	0.6877	0.9999	0.743
Control	low (<=10)	High Leth	low (<=10)	-0.5074	0.7378	99	-0.69	0.4932	0.9972	0.602
NS Depressed	high (>10)	NS Depressed	low (<=10)	0.6544	0.2280	99	2.87	0.0050	0.0899	1.924
NS Depressed	high (>10)	Low Leth	high (>10)	-0.1076	0.7066	99	-0.15	0.8793	1.0000	0.898
NS Depressed	high (>10)	Low Leth	low (<=10)	0.9773	0.7083	99	1.38	0.1708	0.8643	2.657
NS Depressed	high (>10)	High Leth	high (>10)	0.3319	0.6501	99	0.51	0.6108	0.9996	1.394
NS Depressed	high (>10)	High Leth	low (<=10)	0.1209	0.6529	99	0.19	0.8534	1.0000	1.129
NS Depressed	low (<=10)	Low Leth	high (>10)	-0.7620	0.7078	99	-1.08	0.2842	0.9602	0.467
NS Depressed	low (<=10)	Low Leth	low (<=10)	0.3228	0.7088	99	0.46	0.6498	0.9998	1.381
NS Depressed	low (<=10)	High Leth	high (>10)	-0.3226	0.6522	99	-0.49	0.6220	0.9997	0.724
NS Depressed	low (<=10)	High Leth	low (<=10)	-0.5335	0.6551	99	-0.81	0.4174	0.9919	0.587
Low Leth	high (>10)	Low Leth	low (<=10)	1.0849	0.3095	99	3.51	0.0007	0.0152	2.959
Low Leth	high (>10)	High Leth	high (>10)	0.4395	0.7485	99	0.59	0.5584	0.9990	1.552
Low Leth	high (>10)	High Leth	low (<=10)	0.2285	0.7509	99	0.30	0.7615	1.0000	1.257
Low Leth	low (<=10)	High Leth	high (>10)	-0.6454	0.7512	99	-0.86	0.3923	0.9889	0.524
Low Leth	low (<=10)	High Leth	low (<=10)	-0.8563	0.7538	99	-1.14	0.2587	0.9472	0.425
High Leth	high (>10)	High Leth	low (<=10)	-0.2110	0.2474	99	-0.85	0.3959	0.9894	0.810

**FINAL UG GLMM: group, stake, fairness.**  
**No Ideators**

**The GLIMMIX Procedure**

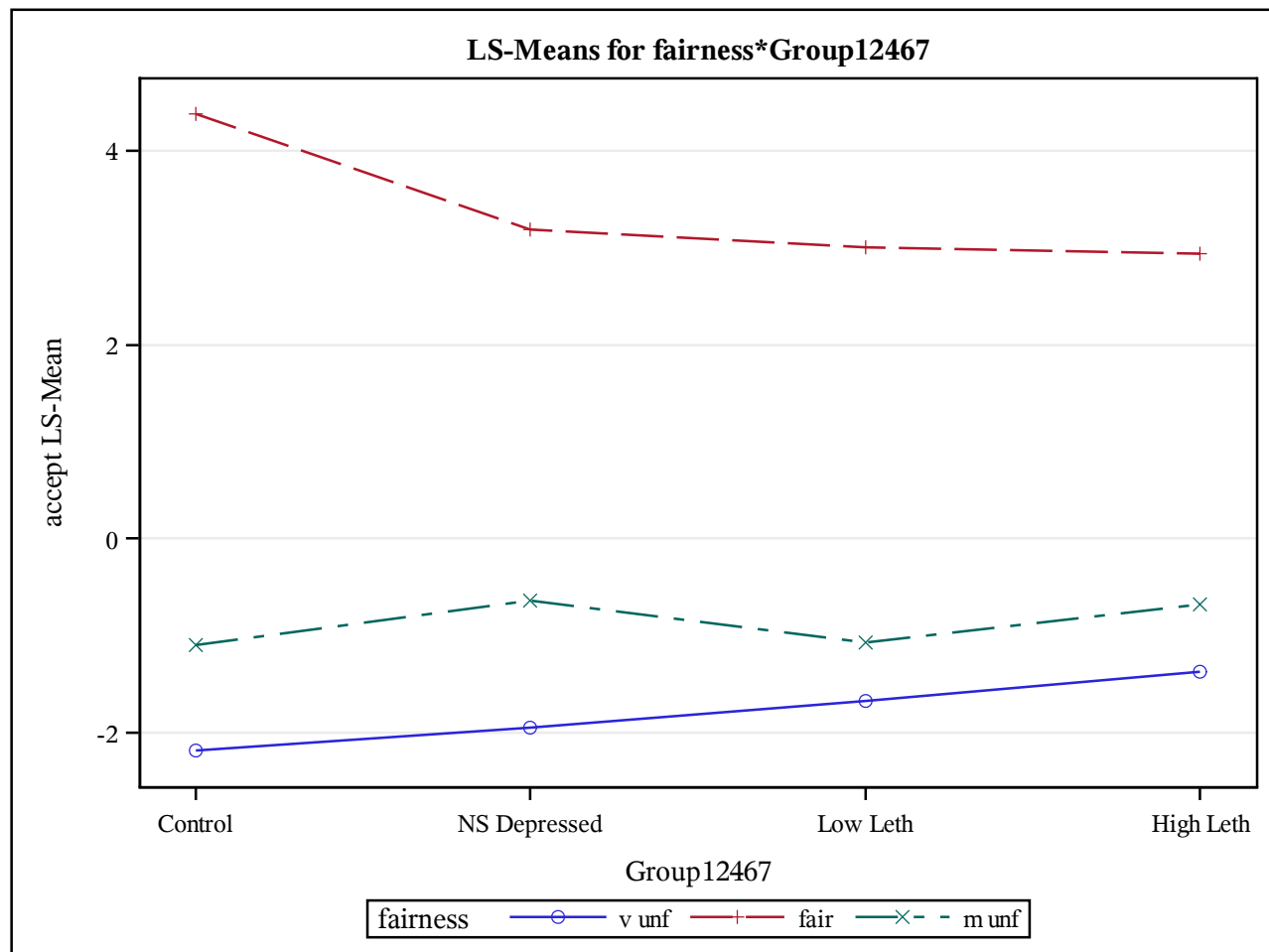
Tests of Effect Slices for Group12467*stake Sliced By Group12467				
Group12467	Num DF	Den DF	F Value	Pr > F
Control	1	99	7.63	0.0069
NS Depressed	1	99	8.24	0.0050
Low Leth	1	99	12.29	0.0007
High Leth	1	99	0.73	0.3959

Simple Effect Comparisons of Group12467*stake Least Squares Means By Group12467 Adjustment for Multiple Comparisons: Holm-Tukey									
Simple Effect Level	stake	stake	Estimate	Standard Error	DF	t Value	Pr >  t	Adj P	Odds Ratio
Group12467 Control	high (>10)	low (≤10)	0.9442	0.3419	99	2.76	0.0069	0.0069	2.571
Group12467 NS Depressed	high (>10)	low (≤10)	0.6544	0.2280	99	2.87	0.0050	0.0050	1.924
Group12467 Low Leth	high (>10)	low (≤10)	1.0849	0.3095	99	3.51	0.0007	0.0007	2.959
Group12467 High Leth	high (>10)	low (≤10)	-0.2110	0.2474	99	-0.85	0.3959	0.3959	0.810

fairness*Group12467 Least Squares Means						
fairness	Group12467	Estimate	Standard Error	DF	t Value	Pr >  t
v unf	Control	-2.1852	0.5813	198	-3.76	0.0002
v unf	NS Depressed	-1.9504	0.4549	198	-4.29	<.0001
v unf	Low Leth	-1.6734	0.5895	198	-2.84	0.0050
v unf	High Leth	-1.3761	0.5120	198	-2.69	0.0078
fair	Control	4.3787	0.6903	198	6.34	<.0001
fair	NS Depressed	3.1795	0.4659	198	6.82	<.0001
fair	Low Leth	3.0035	0.6178	198	4.86	<.0001
fair	High Leth	2.9427	0.5304	198	5.55	<.0001
m unf	Control	-1.0939	0.5569	198	-1.96	0.0509
m unf	NS Depressed	-0.6425	0.4376	198	-1.47	0.1436
m unf	Low Leth	-1.0664	0.5816	198	-1.83	0.0682
m unf	High Leth	-0.6775	0.5016	198	-1.35	0.1783

**FINAL UG GLMM: group, stake, fairness.**  
**No Ideators**

**The GLIMMIX Procedure**



Differences of fairness*Group12467 Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer									
fairness	Group12467	fairness	Group12467	Estimate	Standard Error	DF	t Value	Pr >  t	Adj P
v unf	Control	v unf	NS Depressed	-0.2348	0.7346	198	-0.32	0.7496	1.0000
v unf	Control	v unf	Low Leth	-0.5118	0.8240	198	-0.62	0.5353	1.0000
v unf	Control	v unf	High Leth	-0.8090	0.7767	198	-1.04	0.2988	0.9965
v unf	Control	fair	Control	-6.5639	0.6252	198	-10.50	<.0001	<.0001
v unf	Control	fair	NS Depressed	-5.3647	0.7498	198	-7.16	<.0001	<.0001
v unf	Control	fair	Low Leth	-5.1887	0.8508	198	-6.10	<.0001	<.0001
v unf	Control	fair	High Leth	-5.1279	0.7950	198	-6.45	<.0001	<.0001
v unf	Control	m unf	Control	-1.0913	0.3459	198	-3.15	0.0019	0.0773
v unf	Control	m unf	NS Depressed	-1.5426	0.7266	198	-2.12	0.0350	0.6070
v unf	Control	m unf	Low Leth	-1.1188	0.8192	198	-1.37	0.1736	0.9686
v unf	Control	m unf	High Leth	-1.5076	0.7712	198	-1.95	0.0520	0.7229

**FINAL UG GLMM: group, stake, fairness.**  
**No Ideators**

**The GLIMMIX Procedure**

Differences of fairness*Group12467 Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer									
fairness	Group12467	fairness	Group12467	Estimate	Standard Error	DF	t Value	Pr >  t	Adj P
v unf	NS Depressed	v unf	Low Leth	-0.2770	0.7422	198	-0.37	0.7094	1.0000
v unf	NS Depressed	v unf	High Leth	-0.5743	0.6862	198	-0.84	0.4036	0.9995
v unf	NS Depressed	fair	Control	-6.3291	0.8296	198	-7.63	<.0001	<.0001
v unf	NS Depressed	fair	NS Depressed	-5.1300	0.3708	198	-13.84	<.0001	<.0001
v unf	NS Depressed	fair	Low Leth	-4.9539	0.7688	198	-6.44	<.0001	<.0001
v unf	NS Depressed	fair	High Leth	-4.8931	0.7038	198	-6.95	<.0001	<.0001
v unf	NS Depressed	m unf	Control	-0.8566	0.7176	198	-1.19	0.2341	0.9890
v unf	NS Depressed	m unf	NS Depressed	-1.3079	0.2797	198	-4.68	<.0001	0.0003
v unf	NS Depressed	m unf	Low Leth	-0.8840	0.7364	198	-1.20	0.2314	0.9884
v unf	NS Depressed	m unf	High Leth	-1.2729	0.6793	198	-1.87	0.0624	0.7739
v unf	Low Leth	v unf	High Leth	-0.2972	0.7822	198	-0.38	0.7044	1.0000
v unf	Low Leth	fair	Control	-6.0521	0.9109	198	-6.64	<.0001	<.0001
v unf	Low Leth	fair	NS Depressed	-4.8529	0.7546	198	-6.43	<.0001	<.0001
v unf	Low Leth	fair	Low Leth	-4.6769	0.4715	198	-9.92	<.0001	<.0001
v unf	Low Leth	fair	High Leth	-4.6161	0.7985	198	-5.78	<.0001	<.0001
v unf	Low Leth	m unf	Control	-0.5795	0.8094	198	-0.72	0.4748	0.9999
v unf	Low Leth	m unf	NS Depressed	-1.0309	0.7335	198	-1.41	0.1615	0.9613
v unf	Low Leth	m unf	Low Leth	-0.6070	0.3531	198	-1.72	0.0871	0.8573
v unf	Low Leth	m unf	High Leth	-0.9958	0.7763	198	-1.28	0.2011	0.9804
v unf	High Leth	fair	Control	-5.7548	0.8584	198	-6.70	<.0001	<.0001
v unf	High Leth	fair	NS Depressed	-4.5557	0.6910	198	-6.59	<.0001	<.0001
v unf	High Leth	fair	Low Leth	-4.3796	0.8021	198	-5.46	<.0001	<.0001
v unf	High Leth	fair	High Leth	-4.3188	0.3650	198	-11.83	<.0001	<.0001
v unf	High Leth	m unf	Control	-0.2823	0.7573	198	-0.37	0.7098	1.0000
v unf	High Leth	m unf	NS Depressed	-0.7336	0.6742	198	-1.09	0.2779	0.9949
v unf	High Leth	m unf	Low Leth	-0.3098	0.7760	198	-0.40	0.6902	1.0000
v unf	High Leth	m unf	High Leth	-0.6986	0.2990	198	-2.34	0.0205	0.4545
fair	Control	fair	NS Depressed	1.1992	0.8263	198	1.45	0.1483	0.9514
fair	Control	fair	Low Leth	1.3752	0.9212	198	1.49	0.1371	0.9410
fair	Control	fair	High Leth	1.4360	0.8639	198	1.66	0.0980	0.8829
fair	Control	m unf	Control	5.4726	0.5851	198	9.35	<.0001	<.0001

**FINAL UG GLMM: group, stake, fairness.**  
**No Ideators**

**The GLIMMIX Procedure**

Differences of fairness*Group12467 Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer									
fairness	Group12467	fairness	Group12467	Estimate	Standard Error	DF	t Value	Pr >  t	Adj P
fair	Control	m unf	NS Depressed	5.0212	0.8168	198	6.15	<.0001	<.0001
fair	Control	m unf	Low Leth	5.4451	0.9047	198	6.02	<.0001	<.0001
fair	Control	m unf	High Leth	5.0562	0.8509	198	5.94	<.0001	<.0001
fair	NS Depressed	fair	Low Leth	0.1760	0.7695	198	0.23	0.8193	1.0000
fair	NS Depressed	fair	High Leth	0.2368	0.6991	198	0.34	0.7351	1.0000
fair	NS Depressed	m unf	Control	4.2734	0.7282	198	5.87	<.0001	<.0001
fair	NS Depressed	m unf	NS Depressed	3.8221	0.3221	198	11.86	<.0001	<.0001
fair	NS Depressed	m unf	Low Leth	4.2459	0.7474	198	5.68	<.0001	<.0001
fair	NS Depressed	m unf	High Leth	3.8571	0.6820	198	5.66	<.0001	<.0001
fair	Low Leth	fair	High Leth	0.06080	0.8108	198	0.07	0.9403	1.0000
fair	Low Leth	m unf	Control	4.0974	0.8329	198	4.92	<.0001	0.0001
fair	Low Leth	m unf	NS Depressed	3.6460	0.7565	198	4.82	<.0001	0.0002
fair	Low Leth	m unf	Low Leth	4.0699	0.4468	198	9.11	<.0001	<.0001
fair	Low Leth	m unf	High Leth	3.6811	0.7946	198	4.63	<.0001	0.0004
fair	High Leth	m unf	Control	4.0366	0.7724	198	5.23	<.0001	<.0001
fair	High Leth	m unf	NS Depressed	3.5852	0.6891	198	5.20	<.0001	<.0001
fair	High Leth	m unf	Low Leth	4.0091	0.7915	198	5.06	<.0001	<.0001
fair	High Leth	m unf	High Leth	3.6203	0.3351	198	10.80	<.0001	<.0001
m unf	Control	m unf	NS Depressed	-0.4513	0.7079	198	-0.64	0.5245	1.0000
m unf	Control	m unf	Low Leth	-0.02748	0.8040	198	-0.03	0.9728	1.0000
m unf	Control	m unf	High Leth	-0.4163	0.7509	198	-0.55	0.5799	1.0000
m unf	NS Depressed	m unf	Low Leth	0.4238	0.7271	198	0.58	0.5606	1.0000
m unf	NS Depressed	m unf	High Leth	0.03502	0.6664	198	0.05	0.9582	1.0000
m unf	Low Leth	m unf	High Leth	-0.3888	0.7699	198	-0.51	0.6141	1.0000

**FINAL UG GLMM: group, stake, fairness.**  
**No Ideators**

**The GLIMMIX Procedure**

Tests of Effect Slices for fairness*Group12467 Sliced By fairness				
fairness	Num DF	Den DF	F Value	Pr > F
v unf	3	198	0.42	0.7362
fair	3	198	1.08	0.3599
m unf	3	198	0.22	0.8816

Simple Effect Comparisons of fairness*Group12467 Least Squares Means By fairness Adjustment for Multiple Comparisons: Holm-Tukey								
Simple Effect Level	Group12467	Group12467	Estimate	Standard Error	DF	t Value	Pr >  t	Adj P
fairness v unf	Control	NS Depressed	-0.2348	0.7346	198	-0.32	0.7496	0.9887
fairness v unf	Control	Low Leth	-0.5118	0.8240	198	-0.62	0.5353	0.9252
fairness v unf	Control	High Leth	-0.8090	0.7767	198	-1.04	0.2988	0.7252
fairness v unf	NS Depressed	Low Leth	-0.2770	0.7422	198	-0.37	0.7094	0.9822
fairness v unf	NS Depressed	High Leth	-0.5743	0.6862	198	-0.84	0.4036	0.8368
fairness v unf	Low Leth	High Leth	-0.2972	0.7822	198	-0.38	0.7044	0.9813
fairness fair	Control	NS Depressed	1.1992	0.8263	198	1.45	0.1483	0.4691
fairness fair	Control	Low Leth	1.3752	0.9212	198	1.49	0.1371	0.4438
fairness fair	Control	High Leth	1.4360	0.8639	198	1.66	0.0980	0.3465
fairness fair	NS Depressed	Low Leth	0.1760	0.7695	198	0.23	0.8193	0.9958
fairness fair	NS Depressed	High Leth	0.2368	0.6991	198	0.34	0.7351	0.9866
fairness fair	Low Leth	High Leth	0.06080	0.8108	198	0.07	0.9403	0.9998
fairness m unf	Control	NS Depressed	-0.4513	0.7079	198	-0.64	0.5245	0.9198
fairness m unf	Control	Low Leth	-0.02748	0.8040	198	-0.03	0.9728	1.0000
fairness m unf	Control	High Leth	-0.4163	0.7509	198	-0.55	0.5799	0.9453
fairness m unf	NS Depressed	Low Leth	0.4238	0.7271	198	0.58	0.5606	0.9371
fairness m unf	NS Depressed	High Leth	0.03502	0.6664	198	0.05	0.9582	0.9999
fairness m unf	Low Leth	High Leth	-0.3888	0.7699	198	-0.51	0.6141	0.9578



**FINAL UG GLMM: group, stake, fairness.**  
**No Ideators**

**The GLIMMIX Procedure**

Least Squares Means Estimates						
Effect	Label	Estimate	Standard Error	DF	t Value	Pr >  t
Group12467*stake	LS hi-lo stk: low vs. high leth	-1.2958	0.3965	99	-3.27	0.0015

Least Squares Means Estimates						
Effect	Label	Estimate	Standard Error	DF	t Value	Pr >  t
Group12467*stake	LS hi-lo stk: ctl vs. high leth	-1.1552	0.4222	99	-2.74	0.0074

Least Squares Means Estimates						
Effect	Label	Estimate	Standard Error	DF	t Value	Pr >  t
Group12467*stake	LS hi-lo stk: ns dep vs. high leth	-0.8654	0.3366	99	-2.57	0.0116

Coefficients for Group12467*stake Least Squares Means Estimates				
Effect	fairness	Group12467	stake	Row1
Intercept				
fairness	v unf			
fairness	fair			
fairness	m unf			
stake			high (>10)	0.001
stake			low (<=10)	-0.001
fairness*stake	v unf		high (>10)	0.0003
fairness*stake	v unf		low (<=10)	-33E-5
fairness*stake	fair		high (>10)	0.0003
fairness*stake	fair		low (<=10)	-33E-5
fairness*stake	m unf		high (>10)	0.0003
fairness*stake	m unf		low (<=10)	-33E-5
Group12467		Control		
Group12467		NS Depressed		
Group12467		Low Leth		
Group12467		High Leth		

**FINAL UG GLMM: group, stake, fairness.**  
**No Ideators**

**The GLIMMIX Procedure**

Coefficients for Group12467*stake Least Squares Means Estimates				
Effect	fairness	Group12467	stake	Row1
fairness*Group12467	v unf	Control		
fairness*Group12467	v unf	NS Depressed		
fairness*Group12467	v unf	Low Leth		
fairness*Group12467	v unf	High Leth		
fairness*Group12467	fair	Control		
fairness*Group12467	fair	NS Depressed		
fairness*Group12467	fair	Low Leth		
fairness*Group12467	fair	High Leth		
fairness*Group12467	m unf	Control		
fairness*Group12467	m unf	NS Depressed		
fairness*Group12467	m unf	Low Leth		
fairness*Group12467	m unf	High Leth		
Group12467*stake		Control	high (>10)	-0.333
Group12467*stake		Control	low (<=10)	0.333
Group12467*stake		NS Depressed	high (>10)	-0.333
Group12467*stake		NS Depressed	low (<=10)	0.333
Group12467*stake		Low Leth	high (>10)	-0.333
Group12467*stake		Low Leth	low (<=10)	0.333
Group12467*stake		High Leth	high (>10)	1
Group12467*stake		High Leth	low (<=10)	-1
fairne*Group12*stake	v unf	Control	high (>10)	-0.111
fairne*Group12*stake	v unf	Control	low (<=10)	0.111
fairne*Group12*stake	v unf	NS Depressed	high (>10)	-0.111
fairne*Group12*stake	v unf	NS Depressed	low (<=10)	0.111
fairne*Group12*stake	v unf	Low Leth	high (>10)	-0.111
fairne*Group12*stake	v unf	Low Leth	low (<=10)	0.111
fairne*Group12*stake	v unf	High Leth	high (>10)	0.3333
fairne*Group12*stake	v unf	High Leth	low (<=10)	-0.333
fairne*Group12*stake	fair	Control	high (>10)	-0.111
fairne*Group12*stake	fair	Control	low (<=10)	0.111

**FINAL UG GLMM: group, stake, fairness.**  
**No Ideators**

**The GLIMMIX Procedure**

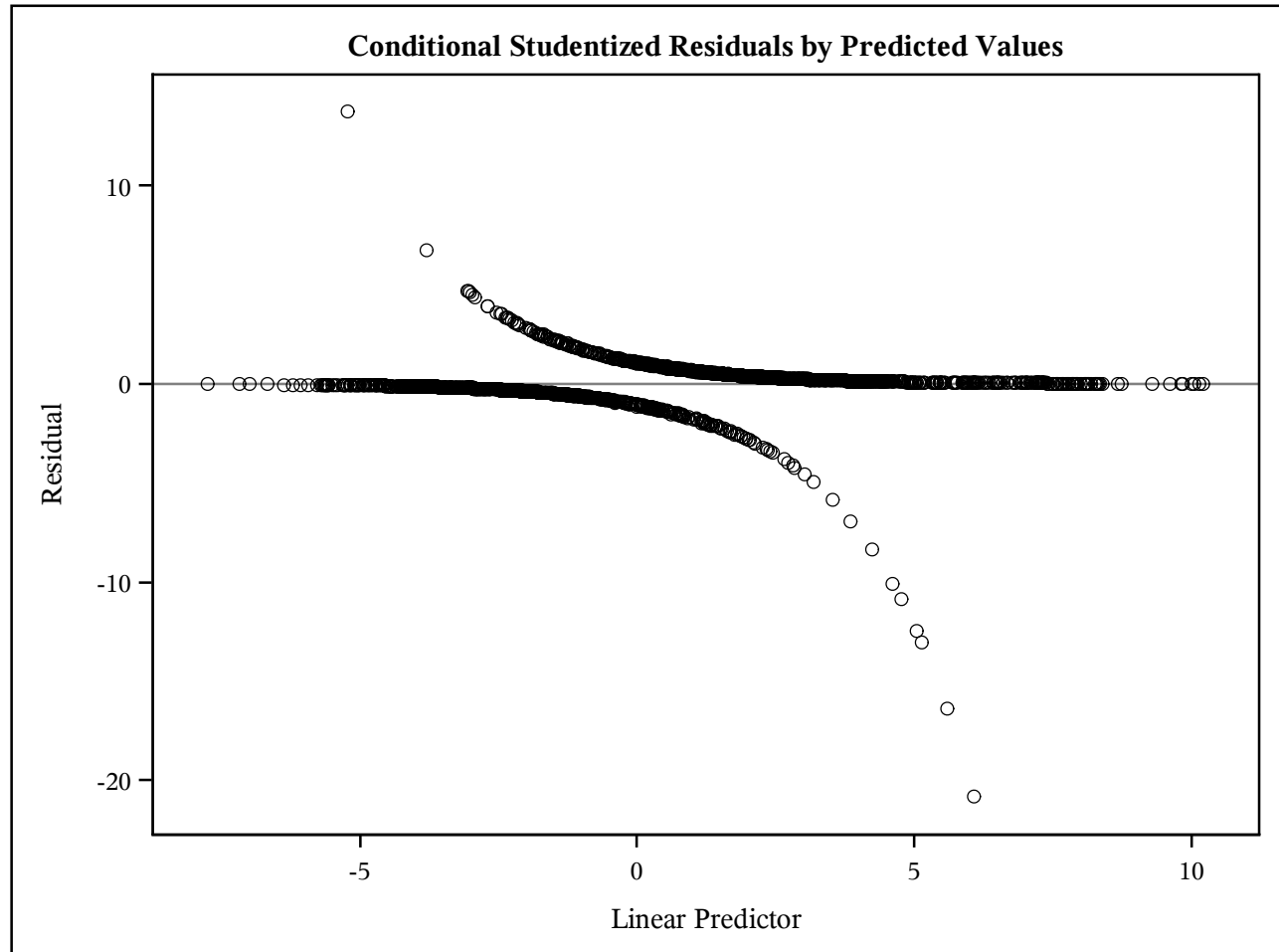
Coefficients for Group12467*stake Least Squares Means Estimates				
Effect	fairness	Group12467	stake	Row1
fairne*Group12*stake	fair	NS Depressed	high (>10)	-0.111
fairne*Group12*stake	fair	NS Depressed	low (<=10)	0.111
fairne*Group12*stake	fair	Low Leth	high (>10)	-0.111
fairne*Group12*stake	fair	Low Leth	low (<=10)	0.111
fairne*Group12*stake	fair	High Leth	high (>10)	0.3333
fairne*Group12*stake	fair	High Leth	low (<=10)	-0.333
fairne*Group12*stake	m unf	Control	high (>10)	-0.111
fairne*Group12*stake	m unf	Control	low (<=10)	0.111
fairne*Group12*stake	m unf	NS Depressed	high (>10)	-0.111
fairne*Group12*stake	m unf	NS Depressed	low (<=10)	0.111
fairne*Group12*stake	m unf	Low Leth	high (>10)	-0.111
fairne*Group12*stake	m unf	Low Leth	low (<=10)	0.111
fairne*Group12*stake	m unf	High Leth	high (>10)	0.3333
fairne*Group12*stake	m unf	High Leth	low (<=10)	-0.333

Least Squares Means Estimate Coefficients			
Effect	Group12467	stake	Row1
Group12467*stake	Control	high (>10)	-0.333
Group12467*stake	Control	low (<=10)	0.333
Group12467*stake	NS Depressed	high (>10)	-0.333
Group12467*stake	NS Depressed	low (<=10)	0.333
Group12467*stake	Low Leth	high (>10)	-0.333
Group12467*stake	Low Leth	low (<=10)	0.333
Group12467*stake	High Leth	high (>10)	1
Group12467*stake	High Leth	low (<=10)	-1

Least Squares Means Estimates								
Effect	Label	Estimate	Standard Error	DF	t Value	Pr >  t	Cov1	Corr1
Group12467*stake	LS hi-lo stk: ctl, dep, low leth - high	-1.1046	0.3017	99	-3.66	0.0004	0.09100	1.0000

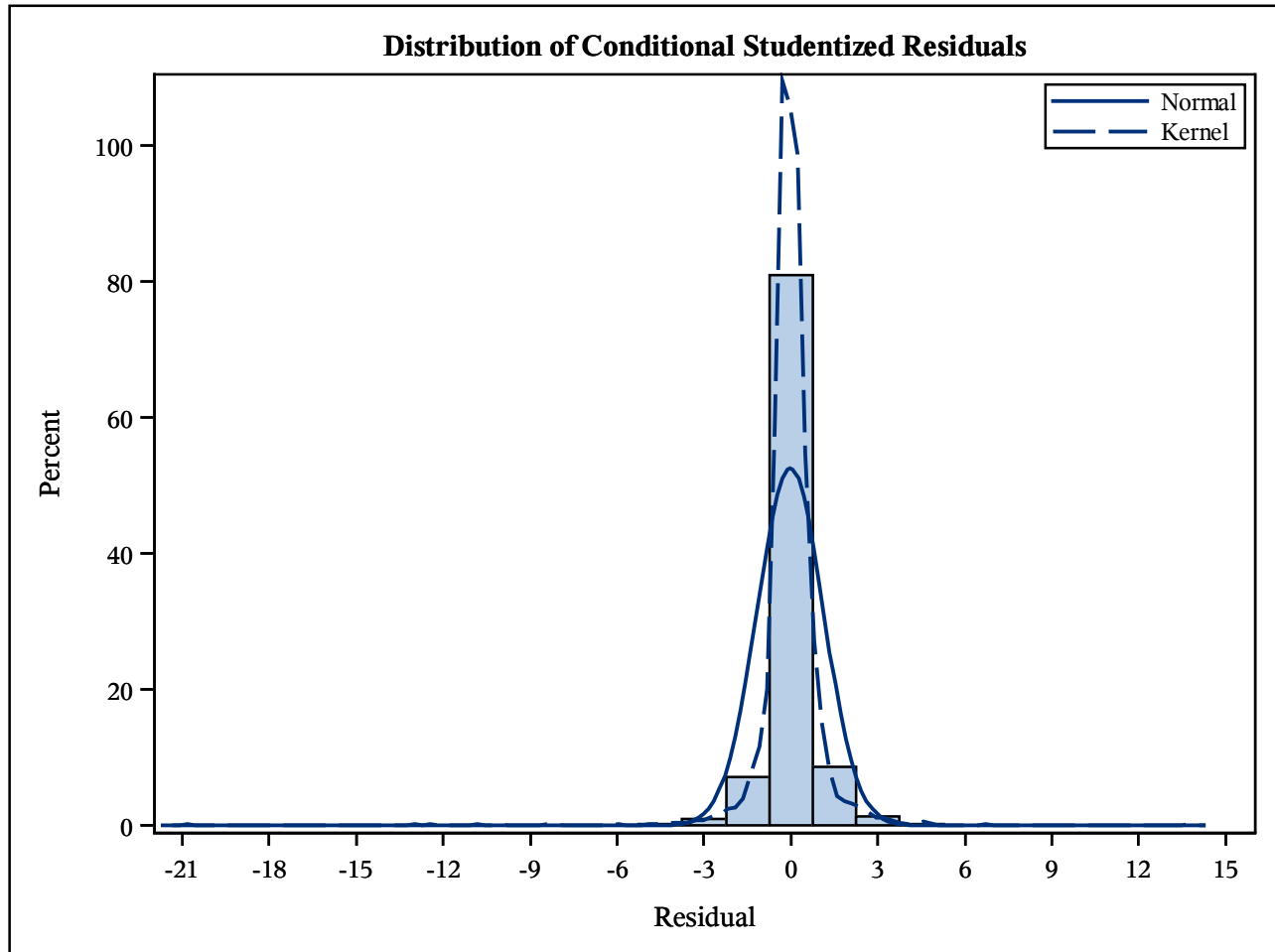
***FINAL UG GLMM: group, stake, fairness.***  
***No Ideators***

***The GLIMMIX Procedure***



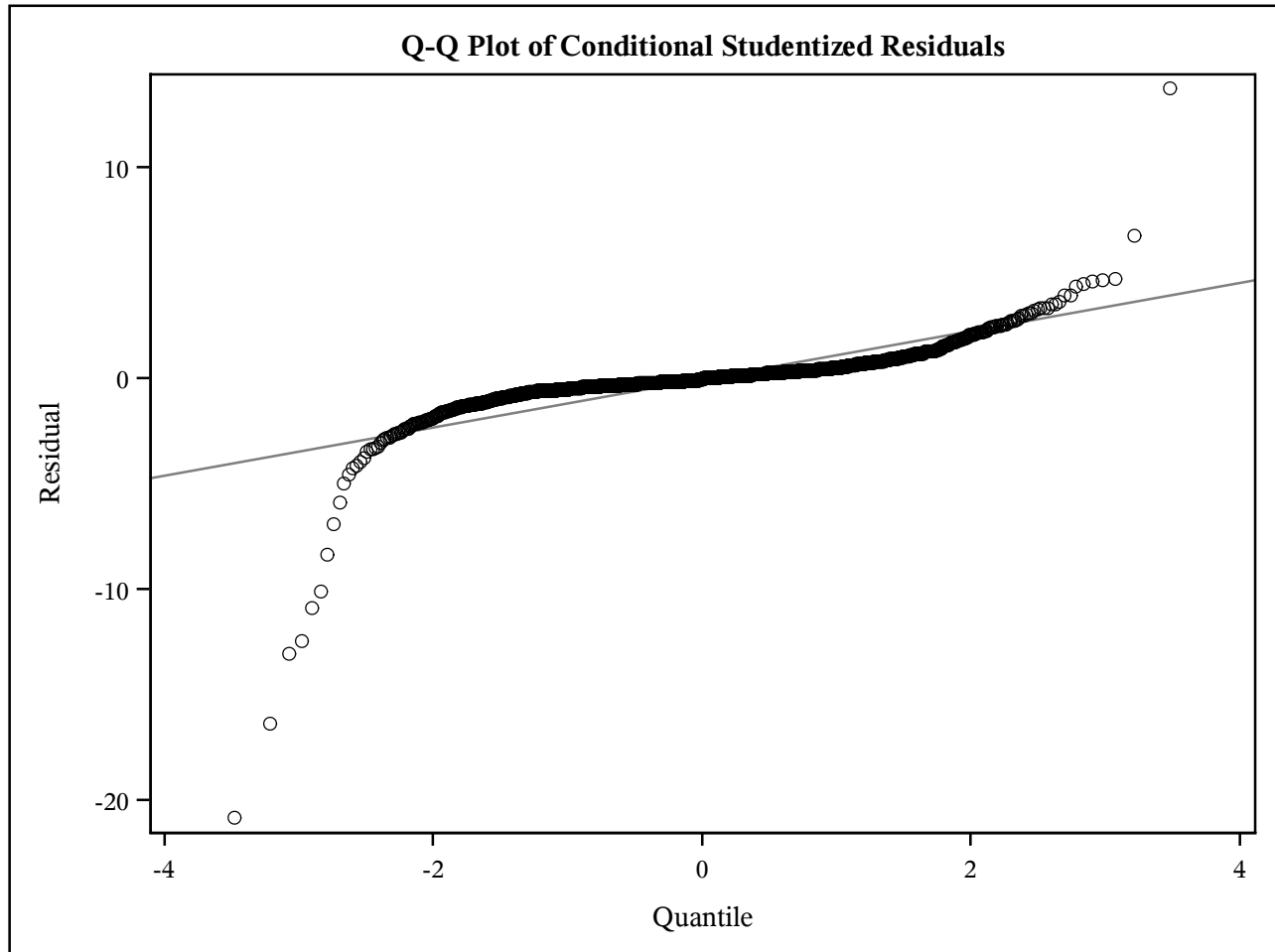
***FINAL UG GLMM: group, stake, fairness.***  
***No Ideators***

***The GLIMMIX Procedure***



***FINAL UG GLMM: group, stake, fairness.***  
***No Ideators***

***The GLIMMIX Procedure***



***FINAL UG GLMM: group, stake, fairness.***  
***No Ideators***

***The GLIMMIX Procedure***

