Model Inform	ation				
Data Set	WORK.RAW				
Dependent Variable	Y				
<b>Covariance Structure</b>	Variance Components				
<b>Estimation Method</b>	Type 3				
Residual Variance Method	Factor				
Fixed Effects SE Method	Model-Based				
<b>Degrees of Freedom Method</b>	Containment				

Class	Class Level Information											
Class	Levels	Values										
D	5	1 2 3 4 5										
M	3	1 2 3										
G	8	12345678										

Dimensions	
<b>Covariance Parameters</b>	4
Columns in X	36
Columns in Z	60
Subjects	1
Max Obs per Subject	120

Number of Observations	
<b>Number of Observations Read</b>	120
<b>Number of Observations Used</b>	120
<b>Number of Observations Not Used</b>	0

	Type 3 Analysis of Variance											
Source	DF	Sum of Squares		Expected Mean Square	Error Term	Error DF	F Value	Pr > F				
M	2	597615	298808	Var(Residual) + 8 Var(D*M) + Q(M,M*G)	MS(D*M)	8	9.07	0.0088				
G	7	220338	31477	Var(Residual) + 3 Var(D*G) + Q(G,M*G)	MS(D*G)	28	4.22	0.0027				
M*G	14	209773	14984	Var(Residual) + Q(M*G)	MS(Residual)	56	1.50	0.1403				

#### The Mixed Procedure

	Type 3 Analysis of Variance											
Source	DF	Sum of Squares		Expected Mean Square	Error Term	Error DF	F Value	Pr > F				
D	4	217576	54394	Var(Residual) + 3 Var(D*G) + 8 Var(D*M) + 24 Var(D)	MS(D*M) + MS(D*G) - MS(Residual)	6.6421	1.79	0.2403				
D*M	8	263441	32930	Var(Residual) + 8 Var(D*M)	MS(Residual)	56	3.30	0.0037				
D*G	28	208814	7457.652976	Var(Residual) + 3 Var(D*G)	MS(Residual)	56	0.75	0.7966				
Residual	56	558258	9968.885119	Var(Residual)			•	•				

**Covariance Parameter Estimates** Cov Parm Estimate | Alpha Lower Upper D 998.97 0.05 -2425.11 4423.05 D\*M 2870.15 0.05 -1190.03 6930.34 -837.08 D\*G 0.05 -2628.88 954.72 9968.89 0.05 7105.48 15002 Residual

OD \*M is the only significant intraction (Discordan)

Fit Statistics	
-2 Res Log Likelihood	1203.2
AIC (Smaller is Better)	1211.2
AICC (Smaller is Better)	1211.6
BIC (Smaller is Better)	1209.6

			Solutio	on for Rand	dom Effe	cts					
Effect	DENTIST	CONDENSATION METHOD	GOLD ALLOW	Estimate	Std Err Pred	DF	t Value	Pr >  t	Alpha	Lower	Upper
D	1			21.3112	25.4306	56	0.84	0.4056	0.05	-29.6325	72.2548
D	2			18.9604	25.4306	56	0.75	0.4590	0.05	-31.9833	69.9040
D	3			2.0092	25.4306	56	0.08	0.9373	0.05	-48.9345	52.9528
D	4			-16.1542	25.4306	56	-0.64	0.5279	0.05	-67.0978	34.7895
D	5			-26.1266	25.4306	56	-1.03	0.3087	0.05	-77.0702	24.8171
D*M	1	1		9.1664	38.4671	56	0.24	0.8125	0.05	-67.8926	86.2253
D*M	1	2		5.2965	38.4671	56	0.14	0.8910	0.05	-71.7625	82.3554
D*M	1	3		46.7667	38.4671	56	1.22	0.2292	0.05	-30.2922	123.83
D*M	2	1		13.8587	38.4671	56	0.36	0.7200	0.05	-63.2003	90.9176
D*M	2	2		-5.3512	38.4671	56	-0.14	0.8899	0.05	-82.4101	71.7078

			Solutio	on for Ran	dom Effe	cts					
T 60	DENTELOT	CONDENSATION	GOLD	<b>.</b>	Std Err	DE		<b>75</b> . 1/1			TI
Effect		METHOD	ALLOW	Estimate	Pred		t Value		_	Lower	Upper
D*M	2	3		45.9680	38.4671	56	1.19	0.2371	0.05	-31.0909	123.03
D*M	3	1		-34.7407	38.4671	56	-0.90	0.3703	0.05	-111.80	42.3183
D*M	3	2		-15.7749	38.4671	56	-0.41	0.6833	0.05	-92.8338	61.2841
D*M	3	3		56.2881	38.4671	56	1.46	0.1490	0.05	-20.7708	133.35
D*M	4	1		6.7546	38.4671	56	0.18	0.8612	0.05	-70.3044	83.8135
D*M	4	2		9.1601	38.4671	56	0.24	0.8127	0.05	-67.8988	86.2191
D*M	4	3		-62.3276	38.4671	56	-1.62	0.1108	0.05	-139.39	14.7313
D*M	5	1		4.9611	38.4671	56	0.13	0.8978	0.05	-72.0979	82.0200
D*M	5	2		6.6694	38.4671	56	0.17	0.8630	0.05	-70.3896	83.7283
D*M	5	3		-86.6953	38.4671	56	-2.25	0.0281	0.05	-163.75	-9.6363
D*G	1		1	-4.3143	0	56	-Infty	<.0001	•	•	
D*G	1		2	-14.4387	0	56	-Infty	<.0001	•		•
D*G	1		3	-5.2796	0	56	-Infty	<.0001	•	•	•
D*G	1		4	16.0468	0	56	Infty	<.0001			•
D*G	1		5	-11.4530	0	56	-Infty	<.0001			
D*G	1		6	-31.6570	0	56	-Infty	<.0001			
D*G	1		7	36.0262	0	56	Infty	<.0001			•
D*G	1		8	-2.7878	0	56	-Infty	<.0001			•
D*G	2		1	2.6666	0	56	Infty	<.0001			•
D*G	2		2	-2.8559	0	56	-Infty	<.0001			•
D*G	2		3	-4.0232	0	56	-Infty	<.0001			•
D*G	2		4	-6.8293	0	56	-Infty	<.0001			
D*G	2		5	-5.9313	0	56	-Infty	<.0001			
D*G	2		6	9.4461	0	56	Infty	<.0001			•
D*G	2		7	6.8645	0	56	Infty	<.0001	٠		•
D*G	2		8	-15.2252	0	56	-Infty	<.0001			•
D*G	3		1	-8.3958	0	56	-Infty	<.0001			•
D*G	3		2	12.5713	0	56	Infty	<.0001			
D*G	3		3	-12.6162	0	56	-Infty	<.0001			
D*G	3		4	9.9448	0	56	Infty	<.0001			
D*G	3		5	-3.5245	0	56	-Infty	<.0001			
D*G	3		6	8.5979	0	56	Infty	<.0001	•		•

			Solutio	on for Rand	dom Effe	cts					
Effect	DENTIST	CONDENSATION METHOD	GOLD ALLOW	Estimate	Std Err Pred	DF	t Value	Pr >  t	Alpha	Lower	Upper
D*G	3		7	-4.3102	0	56	-Infty	<.0001			
D*G	3		8	-3.9510	0	56	-Infty	<.0001			•
D*G	4		1	7.5792	0	56	Infty	<.0001	•		
D*G	4		2	13.0567	0	56	Infty	<.0001	•		
D*G	4		3	11.7772	0	56	Infty	<.0001	•		•
D*G	4		4	-33.5694	0	56	-Infty	<.0001			
D*G	4		5	16.4914	0	56	Infty	<.0001			•
D*G	4		6	-6.1819	0	56	-Infty	<.0001			•
D*G	4		7	-20.9981	0	56	-Infty	<.0001			
D*G	4		8	25.3811	0	56	Infty	<.0001			•
D*G	5		1	2.4644	0	56	Infty	<.0001			•
D*G	5		2	-8.3335	0	56	-Infty	<.0001			
D*G	5		3	10.1419	0	56	Infty	<.0001			
D*G	5		4	14.4071	0	56	Infty	<.0001			•
D*G	5		5	4.4174	0	56	Infty	<.0001			•
D*G	5		6	19.7949	0	56	Infty	<.0001			•
D*G	5		7	-17.5824	0	56	-Infty	<.0001			•
D*G	5		8	-3.4172	0	56	-Infty	<.0001			•

Typ	Type 3 Tests of Fixed Effects											
Effect	Num DF	Den DF	F Value	Pr > F								
M	2	8	9.07	0.0088								
G	7	28	4.22	0.0027								
M*G	14	56	1.50	0.1403								

	Least Squares Means										
Effect	CONDENSATION METHOD	GOLD ALLOW	Estimate	Standard Error		t Value	Pr >  t	Alpha	Lower	Upper	
M	1		786.15	31.6563	8	24.83	<.0001	0.05	713.15	859.15	
M	2		786.95	31.6563	8	24.86	<.0001	0.05	713.95	859.95	
M	3		636.85	31.6563	8	20.12	<.0001	0.05	563.85	709.85	

	Least Squares Means									
Effect	CONDENSATION METHOD	GOLD ALLOW	Estimate	Standard Error	DF	t Value	Pr >  t	Alpha	Lower	Upper
G		1	727.47	29.8046	28	24.41	<.0001	0.05	666.41	788.52
G		2	715.07	29.8046	28	23.99	<.0001	0.05	654.01	776.12
G		3	724.93	29.8046	28	24.32	<.0001	0.05	663.88	785.99
G		4	709.27	29.8046	28	23.80	<.0001	0.05	648.21	770.32
G		5	688.27	29.8046	28	23.09	<.0001	0.05	627.21	749.32
G		6	820.60	29.8046	28	27.53	<.0001	0.05	759.55	881.65
G		7	794.27	29.8046	28	26.65	<.0001	0.05	733.21	855.32
G		8	713.33	29.8046	28	23.93	<.0001	0.05	652.28	774.39

	Differences of Least Squares Means								
Effect	CONDENSATION METHOD	GOLD ALLOW	CONDENSATION METHOD	GOLD ALLOW	Estimate	Standard Error	DF	t Value	Pr >  t
M	1		2		-0.8000	40.5772	8	-0.02	0.9848
M	1		3		149.30	40.5772	8	3.68	0.0062
M	2		3		150.10	40.5772	8	3.70	0.0061
G		1		2	12.4000	31.5334	28	0.39	0.6971
G		1		3	2.5333	31.5334	28	0.08	0.9365
G		1		4	18.2000	31.5334	28	0.58	0.5684
G		1		5	39.2000	31.5334	28	1.24	0.2241
G		1		6	-93.1333	31.5334	28	-2.95	0.0063
G		1		7	-66.8000	31.5334	28	-2.12	0.0431
G		1		8	14.1333	31.5334	28	0.45	0.6575
G		2		3	-9.8667	31.5334	28	-0.31	0.7567
G		2		4	5.8000	31.5334	28	0.18	0.8554
G		2		5	26.8000	31.5334	28	0.85	0.4026
G		2		6	-105.53	31.5334	28	-3.35	0.0023
G		2		7	-79.2000	31.5334	28	-2.51	0.0181
G		2		8	1.7333	31.5334	28	0.05	0.9566
G		3		4	15.6667	31.5334	28	0.50	0.6232
G		3		5	36.6667	31.5334	28	1.16	0.2547
G		3		6	-95.6667	31.5334	28	-3.03	0.0052
G		3		7	-69.3333	31.5334	28	-2.20	0.0363

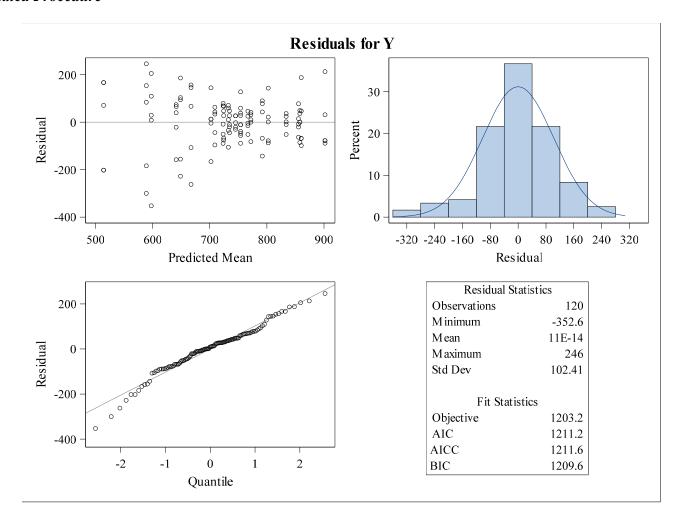
	Differences of Least Squares Means									
Effect	CONDENSATION METHOD	GOLD ALLOW	CONDENSATION METHOD	GOLD ALLOW	Estimate	Standard Error	DF	t Value	Pr >  t	
G		3		8	11.6000	31.5334	28	0.37	0.7157	
G		4		5	21.0000	31.5334	28	0.67	0.5109	
G		4		6	-111.33	31.5334	28	-3.53	0.0015	
G		4		7	-85.0000	31.5334	28	-2.70	0.0118	
G		4		8	-4.0667	31.5334	28	-0.13	0.8983	
G		5		6	-132.33	31.5334	28	-4.20	0.0002	
G		5		7	-106.00	31.5334	28	-3.36	0.0023	
G		5		8	-25.0667	31.5334	28	-0.79	0.4333	
G		6		7	26.3333	31.5334	28	0.84	0.4107	
G		6		8	107.27	31.5334	28	3.40	0.0020	
G		7		8	80.9333	31.5334	28	2.57	0.0159	

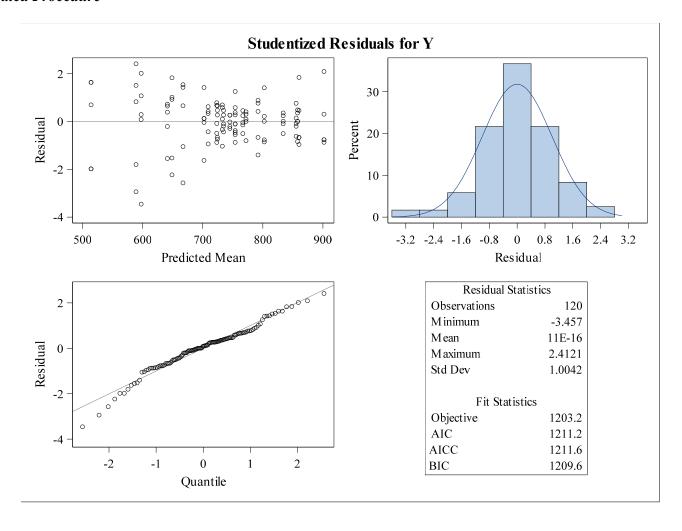
	Differences of Least Squares Means								
Effect	CONDENSATION METHOD	GOLD ALLOW	CONDENSATION METHOD	GOLD ALLOW	Adjustment	Adj P	Alpha	Lower	Upper
M	1		2		Tukey-Kramer	0.9998	0.05	-94.3711	92.7711
M	1		3		Tukey-Kramer	0.0153	0.05	55.7289	242.87
M	2		3		Tukey-Kramer	0.0149	0.05	56.5289	243.67
G		1		2	Tukey-Kramer	0.9999	0.05	-52.1932	76.9932
G		1		3	Tukey-Kramer	1.0000	0.05	-62.0599	67.1265
G		1		4	Tukey-Kramer	0.9989	0.05	-46.3932	82.7932
G		1		5	Tukey-Kramer	0.9115	0.05	-25.3932	103.79
G		1		6	Tukey-Kramer	0.0993	0.05	-157.73	-28.5401
G		1		7	Tukey-Kramer	0.4282	0.05	-131.39	-2.2068
G		1		8	Tukey-Kramer	0.9998	0.05	-50.4599	78.7265
G		2		3	Tukey-Kramer	1.0000	0.05	-74.4599	54.7265
G		2		4	Tukey-Kramer	1.0000	0.05	-58.7932	70.3932
G		2		5	Tukey-Kramer	0.9882	0.05	-37.7932	91.3932
G		2		6	Tukey-Kramer	0.0420	0.05	-170.13	-40.9401
G		2		7	Tukey-Kramer	0.2316	0.05	-143.79	-14.6068
G		2		8	Tukey-Kramer	1.0000	0.05	-62.8599	66.3265
G		3		4	Tukey-Kramer	0.9996	0.05	-48.9265	80.2599
G		3		5	Tukey-Kramer	0.9359	0.05	-27.9265	101.26

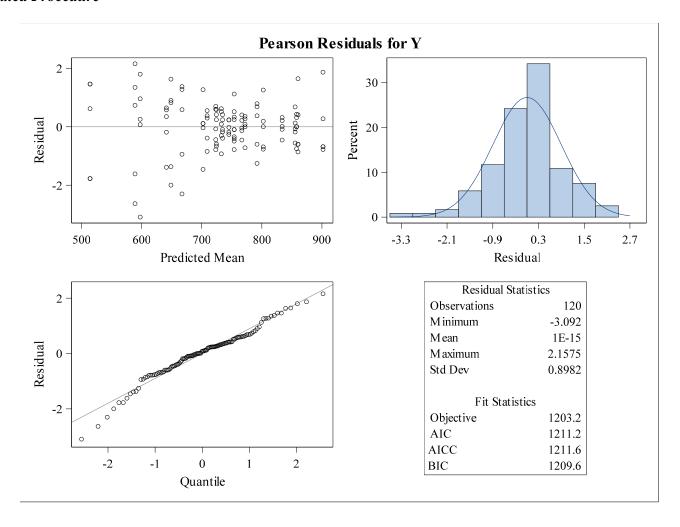
	Differences of Least Squares Means								
Effect	CONDENSATION METHOD	GOLD ALLOW	CONDENSATION METHOD	GOLD ALLOW	Adjustment	Adj P	Alpha	Lower	Upper
G		3		6	Tukey-Kramer	0.0839	0.05	-160.26	-31.0735
G		3		7	Tukey-Kramer	0.3824	0.05	-133.93	-4.7401
G		3		8	Tukey-Kramer	0.9999	0.05	-52.9932	76.1932
G		4		5	Tukey-Kramer	0.9973	0.05	-43.5932	85.5932
G		4		6	Tukey-Kramer	0.0274	0.05	-175.93	-46.7401
G		4		7	Tukey-Kramer	0.1657	0.05	-149.59	-20.4068
G		4		8	Tukey-Kramer	1.0000	0.05	-68.6599	60.5265
G		5		6	Tukey-Kramer	0.0053	0.05	-196.93	-67.7401
G		5		7	Tukey-Kramer	0.0406	0.05	-170.59	-41.4068
G		5		8	Tukey-Kramer	0.9920	0.05	-89.6599	39.5265
G		6		7	Tukey-Kramer	0.9894	0.05	-38.2599	90.9265
G		6		8	Tukey-Kramer	0.0370	0.05	42.6735	171.86
G		7		8	Tukey-Kramer	0.2101	0.05	16.3401	145.53

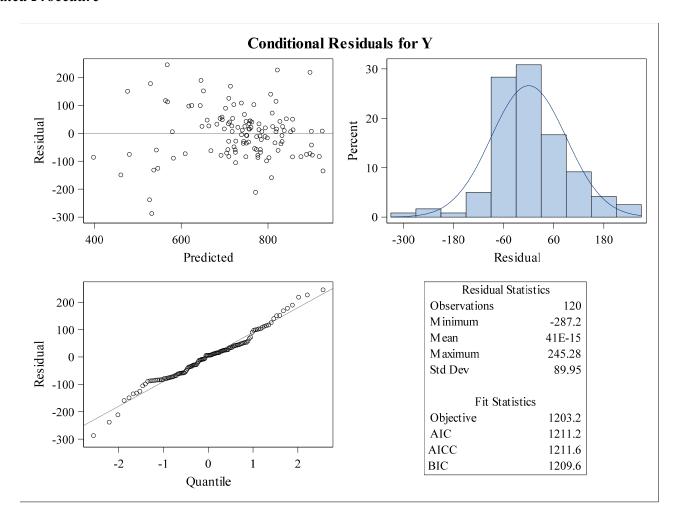
	Differences of Least Squares Means								
Effect	CONDENSATION METHOD	GOLD ALLOW	CONDENSATION METHOD	GOLD ALLOW	Adj Lower	Adj Upper			
M	1		2		-116.74	115.14			
M	1		3		33.3555	265.24			
M	2		3		34.1555	266.04			
G		1		2	-90.7211	115.52			
G		1		3	-100.59	105.65			
G		1		4	-84.9211	121.32			
G		1		5	-63.9211	142.32			
G		1		6	-196.25	9.9877			
G		1		7	-169.92	36.3211			
G		1		8	-88.9877	117.25			
G		2		3	-112.99	93.2544			
G		2		4	-97.3211	108.92			
G		2		5	-76.3211	129.92			
G		2		6	-208.65	-2.4123			
G		2		7	-182.32	23.9211			
G		2		8	-101.39	104.85			

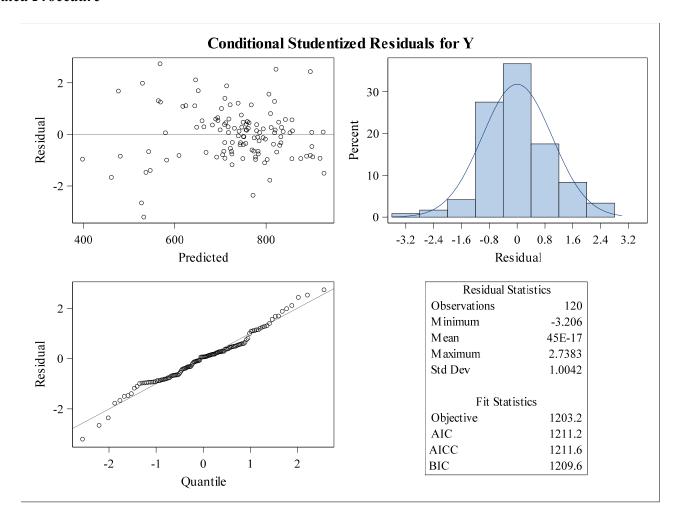
	Differences of Least Squares Means							
Effect	CONDENSATION METHOD	GOLD ALLOW	CONDENSATION METHOD	GOLD ALLOW	Adj Lower	Adj Upper		
G		3		4	-87.4544	118.79		
G		3		5	-66.4544	139.79		
G		3		6	-198.79	7.4544		
G		3		7	-172.45	33.7877		
G		3		8	-91.5211	114.72		
G		4		5	-82.1211	124.12		
G		4		6	-214.45	-8.2123		
G		4		7	-188.12	18.1211		
G		4		8	-107.19	99.0544		
G		5		6	-235.45	-29.2123		
G		5		7	-209.12	-2.8789		
G		5		8	-128.19	78.0544		
G		6		7	-76.7877	129.45		
G		6		8	4.1456	210.39		
G		7		8	-22.1877	184.05		

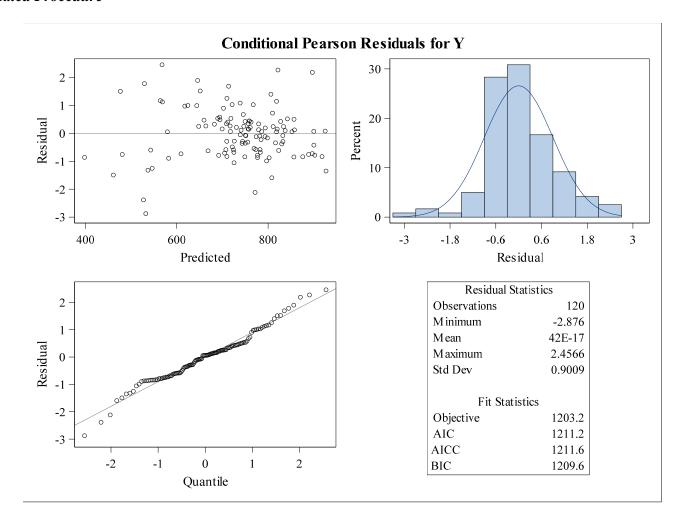












Model Information					
Data Set	WORK.RAW				
Dependent Variable	Y				
<b>Covariance Structure</b>	Variance Components				
<b>Estimation Method</b>	REML				
Residual Variance Method	Profile				
Fixed Effects SE Method	Model-Based				
<b>Degrees of Freedom Method</b>	Containment				

Class Level Information						
Class Levels Values						
D	5	1 2 3 4 5				
M	3	1 2 3				
G	8	12345678				

Dimensions	
<b>Covariance Parameters</b>	4
Columns in X	36
Columns in Z	60
Subjects	1
Max Obs per Subject	120

Number of Observations				
<b>Number of Observations Read</b>	120			
<b>Number of Observations Used</b>	120			
<b>Number of Observations Not Used</b>	0			

Iteration History								
Iteration	Criterion							
0	1	1220.44921467						
1	2	1203.93606235	0.00000110					
2	1	1203.93548863	0.00000000					

# The Mixed Procedure

Convergence criteria met.

Cova	ariance Pa	rameter	Estimat	tes
Cov Parm	Estimate	Alpha	Lower	Upper
D	894.69	0.05	133.33	4.1733E8
D*M	2973.69	0.05	1082.22	23204
D*G	0			
Residual	9132.04	0.05	6895.68	12671

Fit Statistics						
-2 Res Log Likelihood	1203.9					
AIC (Smaller is Better)	1209.9					
AICC (Smaller is Better)	1210.2					
BIC (Smaller is Better)	1208.8					

	Solution for Random Effects										
Effect	DENTIST	CONDENSATION METHOD	GOLD ALLOW	Estimate	Std Err Pred	DF	t Value	Pr >  t	Alpha	Lower	Upper
D	1			19.0865	24.7414	56	0.77	0.4437	0.05	-30.4765	68.6496
D	2			16.9812	24.7414	56	0.69	0.4953	0.05	-32.5819	66.5442
D	3			1.7994	24.7414	56	0.07	0.9423	0.05	-47.7636	51.3625
D	4			-14.4679	24.7414	56	-0.58	0.5611	0.05	-64.0309	35.0952
D	5			-23.3993	24.7414	56	-0.95	0.3483	0.05	-72.9623	26.1638
D*M	1	1		9.4940	38.4816	56	0.25	0.8060	0.05	-67.5939	86.5819
D*M	1	2		5.4835	38.4816	56	0.14	0.8872	0.05	-71.6044	82.5714
D*M	1	3		48.4609	38.4816	56	1.26	0.2131	0.05	-28.6270	125.55
D*M	2	1		14.3575	38.4816	56	0.37	0.7105	0.05	-62.7304	91.4453
D*M	2	2		-5.5505	38.4816	56	-0.14	0.8858	0.05	-82.6384	71.5374
D*M	2	3		47.6337	38.4816	56	1.24	0.2209	0.05	-29.4542	124.72
D*M	3	1		-36.0037	38.4816	56	-0.94	0.3535	0.05	-113.09	41.0842
D*M	3	2		-16.3487	38.4816	56	-0.42	0.6726	0.05	-93.4366	60.7392
D*M	3	3		58.3333	38.4816	56	1.52	0.1352	0.05	-18.7546	135.42
D*M	4	1		7.0042	38.4816	56	0.18	0.8562	0.05	-70.0837	84.0921
D*M	4	2		9.4972	38.4816	56	0.25	0.8060	0.05	-67.5907	86.5851

	Solution for Random Effects										
Effect	DENTIST	CONDENSATION METHOD	GOLD ALLOW	Estimate	Std Err Pred	DF	t Value	Pr >  t	Alpha	Lower	Upper
D*M	4	3		-64.5886	38.4816	56	-1.68	0.0988	0.05	-141.68	12.4993
D*M	5	1		5.1481	38.4816	56	0.13	0.8941	0.05	-71.9398	82.2360
D*M	5	2		6.9185	38.4816	56	0.18	0.8580	0.05	-70.1694	84.0064
D*M	5	3		-89.8393	38.4816	56	-2.33	0.0232	0.05	-166.93	-12.7514
D*G	1		1	0							•
D*G	1		2	0							•
D*G	1		3	0							•
D*G	1		4	0	•		•	•	•		
D*G	1		5	0			•			•	-
D*G	1		6	0	٠		•	•		•	
D*G	1		7	0			•	•		•	
D*G	1		8	0	٠		•	•		•	
D*G	2		1	0	٠		•	•		•	
D*G	2		2	0			•	•		•	
D*G	2		3	0	٠		•	•		•	
D*G	2		4	0	٠		•				-
D*G	2		5	0	٠		•	•		•	
D*G	2		6	0		•	•	•		•	-
D*G	2		7	0		٠	•	•			
D*G	2		8	0	٠		•	•		•	
D*G	3		1	0		٠	•	•			
D*G	3		2	0		•	•	•			
D*G	3		3	0		•	•	•		•	-
D*G	3		4	0		•	•	•			
D*G	3		5	0				•			
D*G	3		6	0			•	•			
D*G	3		7	0			•	•		•	
D*G	3		8	0			•	•			
D*G	4		1	0			٠	•			
D*G	4		2	0			•				•
D*G	4		3	0							•
D*G	4		4	0						•	

#### The Mixed Procedure

	Solution for Random Effects										
Effect	DENTIST	CONDENSATION METHOD	GOLD ALLOW	Estimate	Std Err Pred	DF	t Value	Pr >  t	Alpha	Lower	Upper
D*G	4		5	0							
D*G	4		6	0							
D*G	4		7	0							
D*G	4		8	0							•
D*G	5		1	0							
D*G	5		2	0							
D*G	5		3	0							
D*G	5		4	0							
D*G	5		5	0							
D*G	5		6	0							
D*G	5		7	0							
D*G	5		8	0							

Type 3 Tests of Fixed Effects									
Effect	Num DF		F Value	<b>Pr</b> > <b>F</b>					
M	2	8	9.08	0.0088					
G	7	28	3.45	0.0087					
M*G	14	56	1.64	0.0964					

Least Squares Means

Estimate

Standard

Least Squares Means

	Least Squares Means									
Effect	CONDENSATION METHOD	GOLD ALLOW	Estimate	Standard Error	DF	t Value	Pr >  t	Alpha	Lower	Upper
M	1		786.15	31.6540	8	24.84	<.0001	0.05	713.16	859.14
M	2		786.95	31.6540	8	24.86	<.0001	0.05	713.96	859.94
M	3		636.85	31.6540	8	20.12	<.0001	0.05	563.86	709.84
G		1	727.47	31.4004	28	23.17	<.0001	0.05	663.15	791.79
G		2	715.07	31.4004	28	22.77	<.0001	0.05	650.75	779.39
G		3	724.93	31.4004	28	23.09	<.0001	0.05	660.61	789.25
G		4	709.27	31.4004	28	22.59	<.0001	0.05	644.95	773.59
G		5	688.27	31.4004	28	21.92	<.0001	0.05	623.95	752.59
G		6	820.60	31.4004	28	26.13	<.0001	0.05	756.28	884.92

	Least Squares Means									
	CONDENSATION METHOD	GOLD ALLOW	Estimate	Standard Error		t Value	Pr >  t	Alpha	Lower	Upper
G		7	794.27	31.4004	28	25.29	<.0001	0.05	729.95	858.59
G		8	713.33	31.4004	28	22.72	<.0001	0.05	649.01	777.65

Differences of Least Squares Means										
Effect	CONDENSATION METHOD	GOLD ALLOW	CONDENSATION METHOD	GOLD ALLOW	Estimate	Standard Error	DF	t Value	Pr >  t	
M	1		2		-0.8000	40.5719	8	-0.02	0.9848	
M	1		3		149.30	40.5719	8	3.68	0.0062	
M	2		3		150.10	40.5719	8	3.70	0.0060	
G		1		2	12.4000	34.8942	28	0.36	0.7250	
G		1		3	2.5333	34.8942	28	0.07	0.9426	
G		1		4	18.2000	34.8942	28	0.52	0.6061	
G		1		5	39.2000	34.8942	28	1.12	0.2708	
G		1		6	-93.1333	34.8942	28	-2.67	0.0125	
G		1		7	-66.8000	34.8942	28	-1.91	0.0658	
G		1		8	14.1333	34.8942	28	0.41	0.6885	
G		2		3	-9.8667	34.8942	28	-0.28	0.7794	
G		2		4	5.8000	34.8942	28	0.17	0.8692	
G		2		5	26.8000	34.8942	28	0.77	0.4489	
G		2		6	-105.53	34.8942	28	-3.02	0.0053	
G		2		7	-79.2000	34.8942	28	-2.27	0.0311	
G		2		8	1.7333	34.8942	28	0.05	0.9607	
G		3		4	15.6667	34.8942	28	0.45	0.6569	
G		3		5	36.6667	34.8942	28	1.05	0.3023	
G		3		6	-95.6667	34.8942	28	-2.74	0.0105	
G		3		7	-69.3333	34.8942	28	-1.99	0.0568	
G		3		8	11.6000	34.8942	28	0.33	0.7420	
G		4		5	21.0000	34.8942	28	0.60	0.5521	
G		4		6	-111.33	34.8942	28	-3.19	0.0035	
G		4		7	-85.0000	34.8942	28	-2.44	0.0215	
G		4		8	-4.0667	34.8942	28	-0.12	0.9081	
G		5		6	-132.33	34.8942	28	-3.79	0.0007	

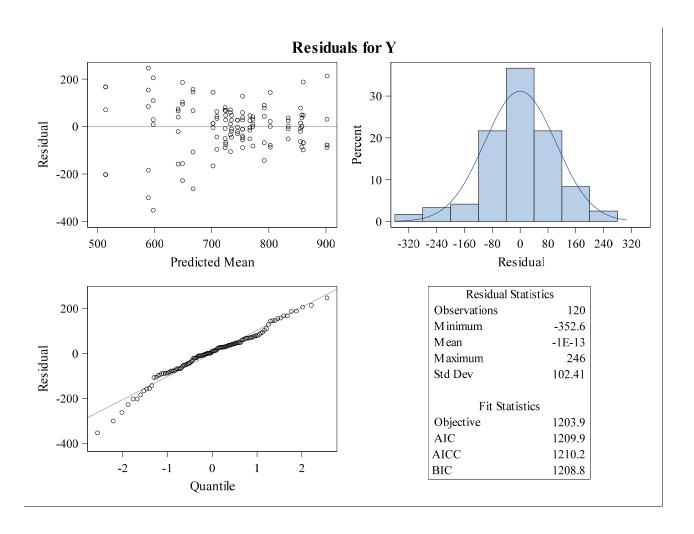
	Differences of Least Squares Means									
Effect	CONDENSATION METHOD	GOLD ALLOW	CONDENSATION METHOD	GOLD ALLOW	Estimate	Standard Error	DF	t Value	Pr >  t	
G		5		7	-106.00	34.8942	28	-3.04	0.0051	
G		5		8	-25.0667	34.8942	28	-0.72	0.4785	
G		6		7	26.3333	34.8942	28	0.75	0.4568	
G		6		8	107.27	34.8942	28	3.07	0.0047	
G		7		8	80.9333	34.8942	28	2.32	0.0279	

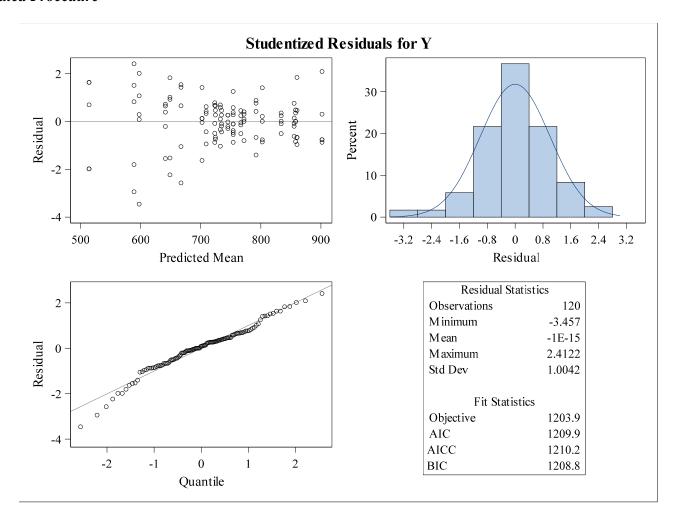
			Differences of Leas	st Squares	Means					
Effect	CONDENSATION METHOD	GOLD ALLOW	CONDENSATION METHOD	GOLD ALLOW	Adjustment	Adj P	Alpha	Lower	Upper	
M	1		2		Tukey-Kramer	0.9998	0.05	-94.3589	92.7589	
M	1		3		Tukey-Kramer	0.0153	0.05	55.7411	242.86	K
M	2		3		Tukey-Kramer	0.0148	0.05	56.5411	243.66	ף
G		1		2	Tukey-Kramer	1.0000	0.05	-59.0775	83.8775	
G		1		3	Tukey-Kramer	1.0000	0.05	-68.9442	74.0108	
G		1		4	Tukey-Kramer	0.9994	0.05	-53.2775	89.6775	
G		1		5	Tukey-Kramer	0.9460	0.05	-32.2775	110.68	
G		1		6	Tukey-Kramer	0.1742	0.05	-164.61	-21.6558	长
G		1		7	Tukey-Kramer	0.5530	0.05	-138.28	4.6775	
G		1		8	Tukey-Kramer	0.9999	0.05	-57.3442	85.6108	
G		2		3	Tukey-Kramer	1.0000	0.05	-81.3442	61.6108	
G		2		4	Tukey-Kramer	1.0000	0.05	-65.6775	77.2775	
G		2		5	Tukey-Kramer	0.9935	0.05	-44.6775	98.2775	
G		2		6	Tukey-Kramer	0.0856	0.05	-177.01	-34.0558	بحر
G		2		7	Tukey-Kramer	0.3441	0.05	-150.68	-7.7225	*
G		2		8	Tukey-Kramer	1.0000	0.05	-69.7442	73.2108	
G		3		4	Tukey-Kramer	0.9998	0.05	-55.8108	87.1442	
G		3		5	Tukey-Kramer	0.9617	0.05	-34.8108	108.14	
G		3		6	Tukey-Kramer	0.1517	0.05	-167.14	-24.1892	¥
G		3		7	Tukey-Kramer	0.5076	0.05	-140.81	2.1442	
G		3		8	Tukey-Kramer	1.0000	0.05	-59.8775	83.0775	
G		4		5	Tukey-Kramer	0.9986	0.05	-50.4775	92.4775	
G		4		6	Tukey-Kramer	0.0597	0.05	-182.81	-39.8558	K
G		4		7	Tukey-Kramer	0.2637	0.05	-156.48	-13.5225	×

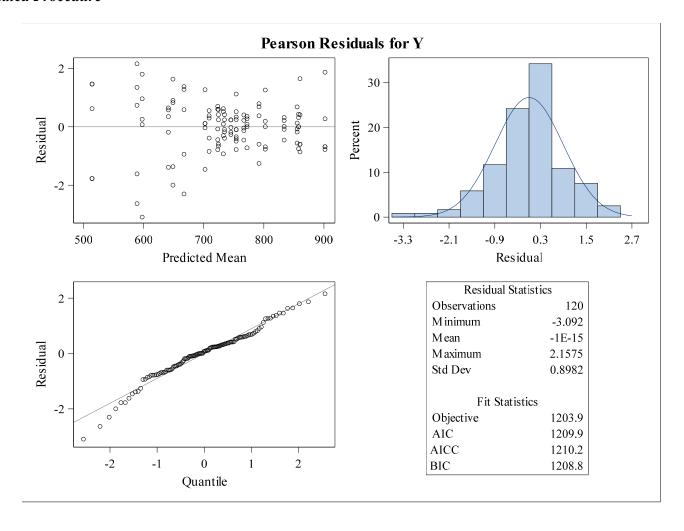
	Differences of Least Squares Means											
Effect	CONDENSATION METHOD	GOLD ALLOW	CONDENSATION METHOD	GOLD ALLOW	Adjustment	Adj P	Alpha	Lower	Upper			
G		4		8	Tukey-Kramer	1.0000	0.05	-75.5442	67.4108			
G		5		6	Tukey-Kramer	0.0146	0.05	-203.81	-60.8558	*		
G		5		7	Tukey-Kramer	0.0832	0.05	-177.48	-34.5225	t		
G		5		8	Tukey-Kramer	0.9957	0.05	-96.5442	46.4108			
G		6		7	Tukey-Kramer	0.9942	0.05	-45.1442	97.8108			
G		6		8	Tukey-Kramer	0.0770	0.05	35.7892	178.74	X		
G		7		8	Tukey-Kramer	0.3186	0.05	9.4558	152.41	A		

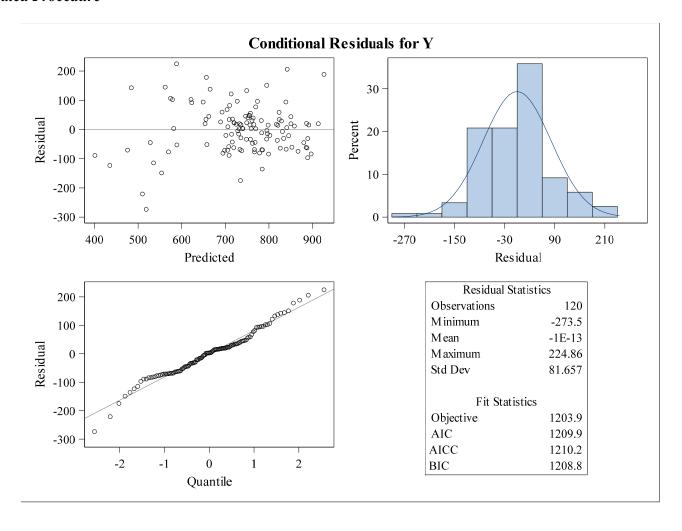
Differences of Least Squares Means							
Effect	CONDENSATION METHOD	GOLD ALLOW	CONDENSATION METHOD	GOLD ALLOW	Adj Lower	Adj Upper	
M	1		2		-116.73	115.13	
M	1		3		33.3706	265.23	
M	2		3		34.1706	266.03	
G		1		2	-101.71	126.51	
G		1		3	-111.58	116.65	
G		1		4	-95.9117	132.31	
G		1		5	-74.9117	153.31	
G		1		6	-207.25	20.9784	
G		1		7	-180.91	47.3117	
G		1		8	-99.9784	128.25	
G		2		3	-123.98	104.25	
G		2		4	-108.31	119.91	
G		2		5	-87.3117	140.91	
G		2		6	-219.65	8.5784	
G		2		7	-193.31	34.9117	
G		2		8	-112.38	115.85	
G		3		4	-98.4450	129.78	
G		3		5	-77.4450	150.78	
G		3		6	-209.78	18.4450	
G		3		7	-183.45	44.7784	
G		3		8	-102.51	125.71	
G		4		5	-93.1117	135.11	

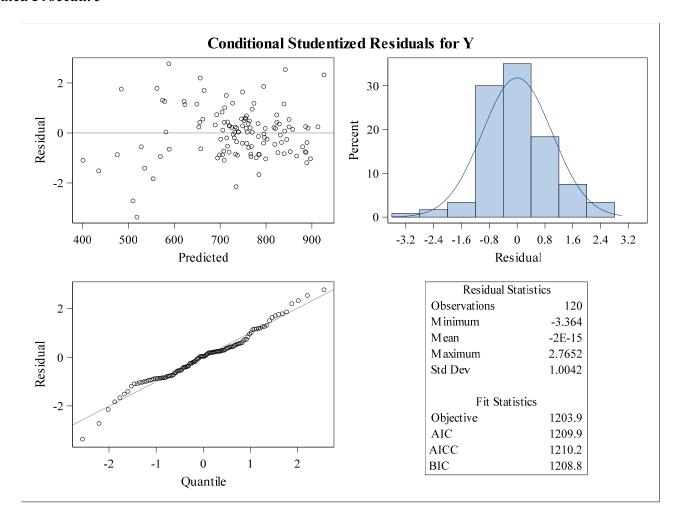
Differences of Least Squares Means							
Effect	CONDENSATION METHOD	GOLD ALLOW	CONDENSATION METHOD	GOLD ALLOW	Adj Lower	Adj Upper	
G		4		6	-225.45	2.7784	
G		4		7	-199.11	29.1117	
G		4		8	-118.18	110.05	
G		5		6	-246.45	-18.2216	
G		5		7	-220.11	8.1117	
G		5		8	-139.18	89.0450	
G		6		7	-87.7784	140.45	
G		6		8	-6.8450	221.38	
G		7		8	-33.1784	195.05	

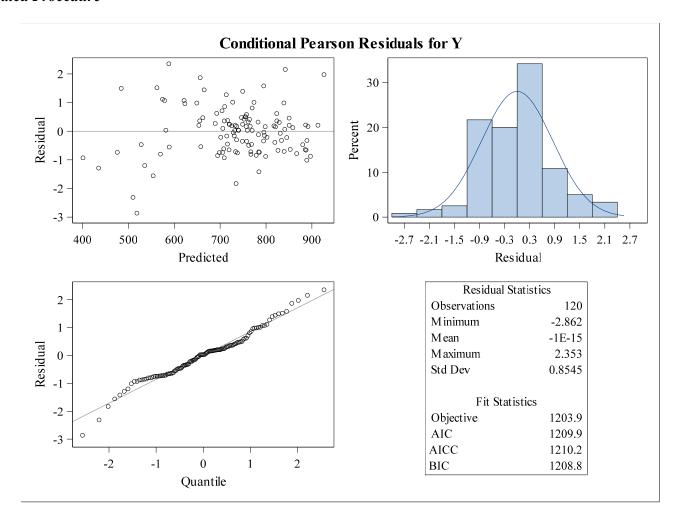












Model Information					
Data Set	WORK.RAW				
Response Variable	Y				
<b>Response Distribution</b>	Gaussian				
<b>Link Function</b>	Identity				
Variance Function	Default				
Variance Matrix	Diagonal				
<b>Estimation Technique</b>	Restricted Maximum Likelihood				
<b>Degrees of Freedom Method</b>	Residual				

Class Level Information								
Class Levels Values								
D	5	1 2 3 4 5						
M	3	1 2 3						
G	8	12345678						

<b>Number of Observations Read</b>	120
<b>Number of Observations Used</b>	120

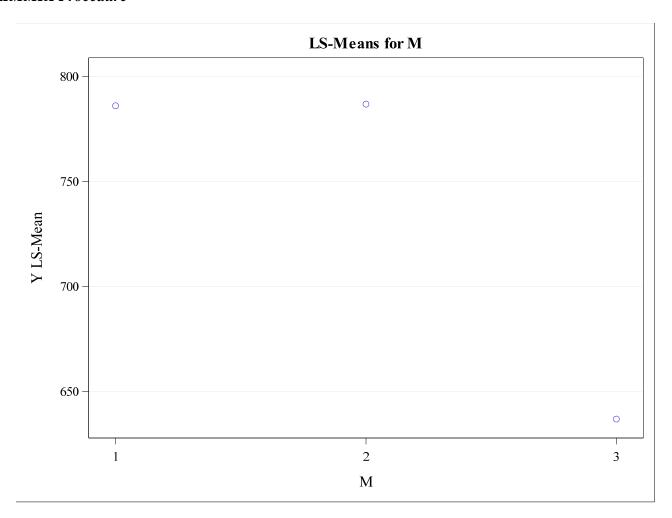
Dimensions	
<b>Covariance Parameters</b>	1
Columns in X	36
Columns in Z	0
Subjects (Blocks in V)	1
Max Obs per Subject	120

Optimization Information					
Optimization Technique None					
Parameters	25				
<b>Lower Boundaries</b>	1				
<b>Upper Boundaries</b>	0				
<b>Fixed Effects</b>	Not Profiled				

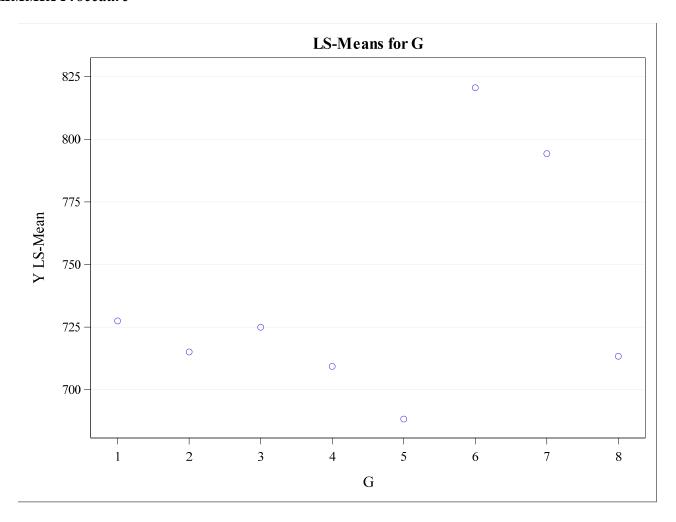
Fit Statistics					
-2 Res Log Likelihood	1220.45				
AIC (smaller is better)	1270.45				
AICC (smaller is better)	1289.02				
BIC (smaller is better)	1334.56				
CAIC (smaller is better)	1359.56				
<b>HQIC</b> (smaller is better)	1296.36				
Pearson Chi-Square	1248089				
Pearson Chi-Square / DF	13000.93				

<b>Type III Tests of Fixed Effects</b>								
Effect	Effect Num Den DF F Value							
M	2	96	22.98	<.0001				
G	7	96	2.42	0.0251				
M*G	14	96	1.15	0.3244				

M Least Squares Means								
CONDENSATION METHOD	Estimate	Standard Error	DF	t Value	Pr >  t			
1	786.15	18.0284	96	43.61	<.0001			
2	786.95	18.0284	96	43.65	<.0001			
3	636.85	18.0284	96	35.32	<.0001			



G Least Squares Means								
GOLD ALLOW	Estimate	Standard Error	DF	t Value	Pr >  t			
1	727.47	29.4403	96	24.71	<.0001			
2	715.07	29.4403	96	24.29	<.0001			
3	724.93	29.4403	96	24.62	<.0001			
4	709.27	29.4403	96	24.09	<.0001			
5	688.27	29.4403	96	23.38	<.0001			
6	820.60	29.4403	96	27.87	<.0001			
7	794.27	29.4403	96	26.98	<.0001			
8	713.33	29.4403	96	24.23	<.0001			



M*G Least Squares Means							
CONDENSATION METHOD	GOLD ALLOW	Estimate	Standard Error	DF	t Value	Pr >  t	
1	1	723.40	50.9920	96	14.19	<.0001	
1	2	802.40	50.9920	96	15.74	<.0001	
1	3	754.00	50.9920	96	14.79	<.0001	
1	4	732.60	50.9920	96	14.37	<.0001	
1	5	766.80	50.9920	96	15.04	<.0001	
1	6	857.80	50.9920	96	16.82	<.0001	
1	7	860.20	50.9920	96	16.87	<.0001	
1	8	792.00	50.9920	96	15.53	<.0001	
2	1	724.40	50.9920	96	14.21	<.0001	
2	2	745.20	50.9920	96	14.61	<.0001	
2	3	772.00	50.9920	96	15.14	<.0001	
2	4	754.00	50.9920	96	14.79	<.0001	

M*G Least Squares Means						
CONDENSATION METHOD	GOLD ALLOW	Estimate	Standard Error	DF	t Value	Pr >  t
2	5	709.00	50.9920	96	13.90	<.0001
2	6	901.80	50.9920	96	17.69	<.0001
2	7	855.40	50.9920	96	16.78	<.0001
2	8	833.80	50.9920	96	16.35	<.0001
3	1	734.60	50.9920	96	14.41	<.0001
3	2	597.60	50.9920	96	11.72	<.0001
3	3	648.80	50.9920	96	12.72	<.0001
3	4	641.20	50.9920	96	12.57	<.0001
3	5	589.00	50.9920	96	11.55	<.0001
3	6	702.20	50.9920	96	13.77	<.0001
3	7	667.20	50.9920	96	13.08	<.0001
3	8	514.20	50.9920	96	10.08	<.0001

