

Gylling Data Management, Inc.

Trial ID: CompareUnicorn	Location:	Trial Year: 2019
Protocol ID:	Investigator: Peter Claussen	
Project ID:	Study Director:	
	Sponsor Contact:	

Description	Bullseye	Angle	Score	Bounce	
Number of Subsamples	3	3	1	1	
Data Entry Date	Mar-29-2019	Mar-29-2019	Mar-29-2019	Mar-29-2019	
ARM Action Codes	+	+	+	+	
Trt No.	Treatment Name	1*	2*	3*	4*
	1 Control Red	8.32 -	2.50 -	27.96 b	1.90 a
	2 200 bronze	8.53 -	2.35 -	28.57 b	0.70 b
	3 300 rubber	7.72 -	-0.48 -	44.99 a	0.40 b
	4 chrome 400	6.67 -	1.12 -	35.80 ab	0.50 b
LSD P=.10 (% mean diff)	2.216 (29%)	3.166 (298%)	11.193 (32%)	0.676 (77%)	
Standard Deviation	2.880	4.114	14.545	0.888	
CV	37.71	386.76	41.42	101.45	
Grand Mean	7.637	1.064	35.118	0.875	
Levene's F	0.45	3.333	0.359	0.937	
Levene's Prob(F)	0.719	0.033*	0.783	0.433	
Friedman's X2	3.51	1.29	6.09	8.61	
P(Friedman's X2)	0.319	0.732	0.107	0.035	
Skewness	0.3512	-0.0951	0.6625	1.0612*	
Kurtosis	0.4853	-0.8269	0.8494	-0.0876	
Minimum Replicates (power = 80)	30	24	10	5	
Largest Mean Difference (% mean diff)	1.867 (24%)	2.985 (280%)	17.029 (48%)	1.500 (171%)	

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Due to missing data, larger LSD values (col. 2: >=3.166 and <=3.296) are used for mean comparisons of treatment pairs with missing data.

* Adjusted means

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Randomized Complete Block (RCB) Least square estimation AOV For Bullseye 3 Mar-29-2019 + (Data Column 1)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	33	277.692810 [^]			
Replicate	9	84.764470	9.418274	1.135	0.3825
Treatment	3	18.731391	6.243797	0.753	0.5330
Treatment Type III	3	18.421106	6.140369	0.740	0.5399
Error	21	174.196950	8.295093		
Error(adj)	21		8.295093		
[^] Total Sum of Squares may not equal Sum of Squares reported on this table because adjusted sum of squares are reported.					

Randomized Complete Block (RCB) Least square estimation AOV For Angle 3 Mar-29-2019 + (Data Column 2)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	33	788.500817 [^]			
Replicate	9	367.831206	40.870134	2.415	0.0462
Treatment	3	65.240323	21.746774	1.285	0.3055
Treatment Type III	3	43.260527	14.420176	0.852	0.4811
Error	21	355.429287	16.925204		
Error(adj)	21		16.925204		
[^] Total Sum of Squares may not equal Sum of Squares reported on this table because adjusted sum of squares are reported.					

Randomized Complete Block (RCB) Least square estimation AOV For Score 1 Mar-29-2019 + (Data Column 3)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	33	9783.529412 [^]			
Replicate	9	3246.295831	360.699537	1.705	0.1504
Treatment	3	2094.651634	698.217211	3.300	0.0403
Treatment Type III	3	1434.418054	478.139351	2.260	0.1111
Error	21	4442.581946	211.551521		
Error(adj)	21		211.551521		
[^] Total Sum of Squares may not equal Sum of Squares reported on this table because adjusted sum of squares are reported.					

Randomized Complete Block (RCB) Least square estimation AOV For Bounce 1 Mar-29-2019 + (Data Column 4)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	39	44.375000 [^]			
Replicate	9	8.625000	0.958333	1.216	0.3260
Treatment	3	14.475000	4.825000	6.123	0.0026
Error	27	21.275000	0.787963		
Error(adj)	27		0.787963		
[^] Total Sum of Squares may not equal Sum of Squares reported on this table because adjusted sum of squares are reported.					

ARM Action Codes					
+ = Only positive values (0 to 3.402823E38)					