Oneway

Descriptives

		N	Mean	Std. Deviation	Std. Error
open_diversity	content	79	,44410064124	,09967231661	,01121401175
	random	68	,50219482341	,08132729744	,00986238346
	open	71	,51261639918	,07481371971	,00887875503
	reflect	70	,51445062371	,05873818642	,00702055609
	Total	288	,49180731476	,08557393401	,00504249242
reflective_diversity	content	79	,49259077506	,15828932089	,01780893998
	random	68	,71301571376	,09569616185	,01160486421
	open	71	,65501604745	,10660134135	,01265125166
	reflect	70	,57444249539	,15763842282	,01884139529
	Total	288	,60457240907	,15742425868	,00927631340

Descriptives

		95% Confidence Interval for Mean		Minimum	Maximum
		Lower Bound	Upper Bound		
open_diversity	content	,42177525882	,46642602366	,19461937100	,70669467700
	random	,48250942364	,52188022318	,25855226000	,65726028800
	open	,49490828064	,53032451773	,42422525100	,74255285200
	reflect	,50044499754	,52845624989	,43054920700	,69620067386
	Total	,48188235790	,50173227163	,19461937100	,74255285200
reflective_diversity	content	,45713589911	,52804565102	,12992470000	,84781791000
	random	,68985230784	,73617911968	,57302677531	,95576157636
	open	,62978392162	,68024817328	,46274576100	,89201377700
	reflect	,53685494024	,61203005053	,01998283600	,86689629000
	Total	,58631417430	,62283064384	,01998283600	,95576157636

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
open_diversity	Based on Mean	5,220	3	284	,002
	Based on Median	5,190	3	284	,002
	Based on Median and with adjusted df	5,190	3	253,504	,002
	Based on trimmed mean	5,316	3	284	,001
reflective_diversity	Based on Mean	5,560	3	284	,001
	Based on Median	5,663	3	284	<,001
	Based on Median and with adjusted df	5,663	3	224,540	<,001
	Based on trimmed mean	5,649	3	284	<,001

ANOVA

		Sum of Squares	df	Mean Square	F
open_diversity	Between Groups	,254	3	,085	13,000
	Within Groups	1,848	284	,007	
	Total	2,102	287		
reflective_diversity	Between Groups	2,035	3	,678	37,929
	Within Groups	5,078	284	,018	
	Total	7,113	287		

ANOVA

		Sig.
open_diversity	Between Groups	<,001
	Within Groups	
	Total	
reflective_diversity	Between Groups	<,001
	Within Groups	
	Total	

novelty

			Subset for alpha = 0.05		
	condtion	N	1	2	3
Tukey HSD[a,b]	random	520	3,02		
	content	632		3,23	
	open	544		3,32	3,32
	reflect	544			3,44
	Sig.		1,000	,505	,251
Tukey B[a,b]	random	520	3,02		
	content	632		3,23	
	open	544		3,32	3,32
	reflect	544			3,44

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 556,961.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

ANOVA Effect Sizes[a]

		Point Estimate	95% Confidence Interval Lower	Upper
open_diversity	Eta-squared	,121	,053	,187
	Epsilon-squared	,111	,043	,178
	Omega-squared Fixed-effect	,111	,043	,177
	Omega-squared Random-effect	,040	,015	,067
reflective_diversity	Eta-squared	,286	,197	,360
	Epsilon-squared	,279	,188	,353
	Omega-squared Fixed-effect	,278	,188	,352
	Omega-squared Random-effect	,114	,072	,153

a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model.

Post Hoc Tests

Multiple Comparisons

Dependent Variable		(I) engine	(J) engine	Mean Difference (I-J)	Std. Error	Sig.
open_diversity	Tukey HSD	content	random	-,0580941822*	,01334353591	<,001
			open	-,0685157579*	,01319116561	<,001
			reflect	-,0703499825*	,01324069653	<,001
		random	content	,0580941822*	,01334353591	<,001
			open	-,0104215758	,01368686655	,872
			reflect	-,0122558003	,01373460994	,809
		open	content	,0685157579*	,01319116561	<,001
			random	,01042157577	,01368686655	,872
			reflect	-,0018342245	,01358662614	,999
		reflect	content	,0703499825*	,01324069653	<,001
			random	,01225580030	,01373460994	,809
			open	,00183422453	,01358662614	,999
reflective_diversity	Tukey HSD	content	random	-,2204249387*	,02211965046	<,001
			open	-,1624252724*	,02186706541	<,001
			reflect	-,0818517203*	,02194917307	,001
		random	content	,2204249387*	,02211965046	<,001
			open	,05799966631	,02268879148	,054
			reflect	,1385732184*	,02276793596	<,001
		open	content	,1624252724*	,02186706541	<,001
			random	-,0579996663	,02268879148	,054
			reflect	,0805735521*	,02252262243	,002

Multiple Comparisons

Dependent Variable		(I) engine	(J) engine	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
open_diversity	Tukey HSD	content	random	-,0925779647	-,0236103996
			open	-,1026057690	-,0344257469
			reflect	-,1045679966	-,0361319684
		random	content	,02361039963	,09257796471
			open	-,0457926298	,02494947826
			reflect	-,0477502379	,02323863729
		open	content	,03442574691	,10260576898
			random	-,0249494783	,04579262981
			reflect	-,0369462267	,03327777760
		reflect	content	,03613196838	,10456799657
			random	-,0232386373	,04775023789
			open	-,0332777776	,03694622666
reflective_diversity	Tukey HSD	content	random	-,2775888884	-,1632609890
			open	-,2189364650	-,1059140798
			reflect	-,1385751043	-,0251283363
		random	content	,16326098895	,27758888844
			open	-,0006351181	,11663445073
			reflect	,07973390038	,19741253637
		open	content	,10591407976	,21893646501
			random	-,1166344507	,00063511811
			reflect	,02236819935	,13877890478

Multiple Comparisons

Dependent Variable	(I) engine	(J) engine	Mean Difference (I-J)	Std. Error	Sig.
	reflect	content	,0818517203*	,02194917307	,001
		random	-,1385732184*	,02276793596	<,001
		open	-,0805735521*	,02252262243	,002

Multiple Comparisons

Dependent Variable	(I) engine	(J) engine	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
	reflect	content	,02512833634	,13857510430
		random	-,1974125364	-,0797339004
		open	-,1387789048	-,0223681994

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

open_diversity

	engine	N	Subset for alpha = 0.05 1	2
Tukey HSD[a,b]	content	79	,44410064124	
	random	68		,50219482341
	open	71		,51261639918
	reflect	70		,51445062371
	Sig.		1,000	,799
Tukey B[a,b]	content	79	,44410064124	
	random	68		,50219482341
	open	71		,51261639918
	reflect	70		,51445062371

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 71,769.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

reflective_diversity

	engine	N	Subset for alpha = 0.05 1	2	3
Tukey HSD[a,b]	content	79	,49259077506		
	reflect	70		,57444249539	
	open	71			,65501604745
	random	68			
	Sig.		1,000	1,000	1,000
Tukey B[a,b]	content	79	,49259077506		
	reflect	70		,57444249539	
	open	71			,65501604745
	random	68			

reflective_diversity

	engine	Subset for alpha .. 4
Tukey HSD[a,b]	content	
	reflect	
	open	
	random	,71301571376
	Sig.	1,000
Tukey B[a,b]	content	
	reflect	
	open	
	random	,71301571376

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 71,769.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Oneway

[DataSet5]

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound
relevance	content	632	3,23	1,197	,048	3,14
	random	520	2,80	1,257	,055	2,69
	open	544	3,32	1,207	,052	3,22
	reflect	544	3,42	1,163	,050	3,32
	Total	2240	3,20	1,227	,026	3,15
novelty	content	632	3,23	1,107	,044	3,14
	random	520	3,02	1,129	,050	2,92
	open	544	3,32	1,051	,045	3,23
	reflect	544	3,44	1,023	,044	3,35
	Total	2240	3,25	1,088	,023	3,20
attractiveness	content	632	3,10	1,265	,050	3,01
	random	520	2,44	1,248	,055	2,33
	open	544	3,08	1,303	,056	2,97
	reflect	544	3,15	1,277	,055	3,04
	Total	2240	2,95	1,303	,028	2,90

Descriptives

		95% Confidence Interval for Mean Upper Bound	Minimum	Maximum
relevance	content	3,32	1	5
	random	2,90	1	5
	open	3,43	1	5
	reflect	3,52	1	5
	Total	3,25	1	5
novelty	content	3,31	1	5
	random	3,11	1	5
	open	3,40	1	5
	reflect	3,52	1	5
	Total	3,30	1	5
attractiveness	content	3,20	1	5
	random	2,55	1	5
	open	3,19	1	5
	reflect	3,25	1	5
	Total	3,01	1	5

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
relevance	Based on Mean	3,925	3	2236	,008
	Based on Median	4,860	3	2236	,002
	Based on Median and with adjusted df	4,860	3	1997,672	,002
	Based on trimmed mean	4,486	3	2236	,004
novelty	Based on Mean	1,355	3	2236	,255
	Based on Median	1,742	3	2236	,156
	Based on Median and with adjusted df	1,742	3	2117,657	,156
	Based on trimmed mean	1,670	3	2236	,171
attractiveness	Based on Mean	,229	3	2236	,876
	Based on Median	2,061	3	2236	,103
	Based on Median and with adjusted df	2,061	3	2119,246	,103
	Based on trimmed mean	,373	3	2236	,773

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
relevance	Between Groups	119,323	3	39,774	27,369	<,001
	Within Groups	3249,461	2236	1,453		
	Total	3368,784	2239			
novelty	Between Groups	50,113	3	16,704	14,355	<,001
	Within Groups	2601,887	2236	1,164		
	Total	2652,000	2239			
attractiveness	Between Groups	179,381	3	59,794	36,885	<,001
	Within Groups	3624,697	2236	1,621		
	Total	3804,078	2239			

ANOVA Effect Sizes[a]

			95% Confidence Interval	
		Point Estimate	Lower	Upper
relevance	Eta-squared	,035	,021	,051
	Epsilon-squared	,034	,020	,049
	Omega-squared Fixed-effect	,034	,020	,049
	Omega-squared Random-effect	,012	,007	,017
novelty	Eta-squared	,019	,009	,031
	Epsilon-squared	,018	,007	,029
	Omega-squared Fixed-effect	,018	,007	,029
	Omega-squared Random-effect	,006	,002	,010
attractiveness	Eta-squared	,047	,031	,064
	Epsilon-squared	,046	,029	,063
	Omega-squared Fixed-effect	,046	,029	,063
	Omega-squared Random-effect	,016	,010	,022

a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model.

Post Hoc Tests

Multiple Comparisons

Dependent Variable		(I) condtion	(J) condtion	Mean Difference (I-J)	Std. Error	Sig.
relevance	Tukey HSD	content	random	,433*	,071	<,001
			open	-,094	,071	,541
			reflect	-,188*	,071	,039
		random	content	-,433*	,071	<,001
			open	-,527*	,074	<,001
			reflect	-,621*	,074	,000
		open	content	,094	,071	,541
			random	,527*	,074	<,001
			reflect	-,094	,073	,574
		reflect	content	,188*	,071	,039
			random	,621*	,074	,000
			open	,094	,073	,574
novelty	Tukey HSD	content	random	,211*	,064	,005
			open	-,090	,063	,484
			reflect	-,209*	,063	,005
		random	content	-,211*	,064	,005
			open	-,301*	,066	<,001
			reflect	-,420*	,066	<,001
		open	content	,090	,063	,484
			random	,301*	,066	<,001
			reflect	-,119	,065	,261
		reflect	content	,209*	,063	,005
			random	,420*	,066	<,001
			open	,119	,065	,261
attractiveness	Tukey HSD	content	random	,664*	,075	,000
			open	,029	,074	,980
			reflect	-,041	,074	,947
		random	content	-,664*	,075	,000
			open	-,635*	,078	,000
			reflect	-,705*	,078	,000
		open	content	-,029	,074	,980
			random	,635*	,078	,000
			reflect	-,070	,077	,802
		reflect	content	,041	,074	,947
			random	,705*	,078	,000
			open	,070	,077	,802

Multiple Comparisons

Dependent Variable		(I) condtion	(J) condtion	95% Confidence Interval Lower Bound	Upper Bound
relevance	Tukey HSD	content	random	,25	,62
			open	-,28	,09
			reflect	-,37	-,01
		random	content	-,62	-,25
			open	-,72	-,34
			reflect	-,81	-,43
		open	content	-,09	,28
			random	,34	,72
			reflect	-,28	,09
		reflect	content	,01	,37
			random	,43	,81
			open	-,09	,28
novelty	Tukey HSD	content	random	,05	,38
			open	-,25	,07
			reflect	-,37	-,05
		random	content	-,38	-,05
			open	-,47	-,13
			reflect	-,59	-,25
		open	content	-,07	,25
			random	,13	,47
			reflect	-,29	,05
		reflect	content	,05	,37
			random	,25	,59
			open	-,05	,29
attractiveness	Tukey HSD	content	random	,47	,86
			open	-,16	,22
			reflect	-,23	,15
		random	content	-,86	-,47
			open	-,84	-,43
			reflect	-,91	-,50
		open	content	-,22	,16
			random	,43	,84
			reflect	-,27	,13
		reflect	content	-,15	,23
			random	,50	,91
			open	-,13	,27

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

relevance

	condtion	N	Subset for alpha = 0.05		
			1	2	3
Tukey HSD[a,b]	random	520	2,80		
	content	632		3,23	
	open	544		3,32	3,32
	reflect	544			3,42
	Sig.		1,000	,561	,564
Tukey B[a,b]	random	520	2,80		
	content	632		3,23	
	open	544		3,32	3,32
	reflect	544			3,42

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 556,961.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

attractiveness

	condtion	N	Subset for alpha = 0.05	
			1	2
Tukey HSD[a,b]	random	520	2,44	
	open	544		3,08
	content	632		3,10
	reflect	544		3,15
	Sig.		1,000	,797
Tukey B[a,b]	random	520	2,44	
	open	544		3,08
	content	632		3,10
	reflect	544		3,15

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 556,961.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not ...