

	Group A	Group B	Group C	Group D	Group E	Group F
	EN (Exp)	EN (Conv)	IN (Exp)	IN (Conv)	UN (Exp)	UN (Conv)
	Y	Y	Y	Y	Y	Y
1	3.0	3	3.0	3	2	3
2	3.0	2	3.0	3	3	3
3	2.0	5	2.0	4	3	3
4	4.0	5	4.0	4	3	4
5	2.0	4	2.0	3	3	3
6	4.0	4	4.0	3	2	3
7	3.0	4	3.0	4	3	4
8	2.0	3	2.0	3	3	3
9	3.0	4	3.0	4	4	4
10	4.0	5	4.0	4	4	4
11	3.0	4	3.0	4	3	4
12	4.0	5	4.0	4	2	2
13	5.0	5	5.0	5	4	5
14	5.0	5	5.0	3	4	4
15	5.0	5	5.0	5	2	2
16	4.0	4	4.0	4	2	2
17	4.0	4	4.0	4	3	3
18	2.0	4	2.0	4	4	4
19	4.0	5	4.0	5	2	5
20	4.0	3	4.0	2	3	3
21	3.0	4	3.0	4	2	2
22	3.0	4	3.0	2	3	3
23	5.0	5	5.0	5	1	3
24	3.0	4	3.0	5	3	3
25	5.0	5	5.0	5	5	5
26	3.0	4	3.0	3	3	3
27	5.0	5	5.0	4	3	4
28	3.0	4	3.0	3	2	3
29	4.0	4	4.0	4	4	5
30	4.0	3	4.0	3	4	4
31	3.5	4	3.5	4	5	5
32	3.0	5	3.0	4	4	4
33	4.0	5	4.0	5	4	4
34	3.0	4	3.0	3	4	4
35	3.0	3	3.0	2	5	4
36	4.0	4	4.0	5	5	5
37	4.0	4	4.0	5	5	5
38	3.0	5	3.0	4	4	5
39	5.0	5	5.0	5	5	5
40	4.0	5	4.0	5	4	5
41	4.0	4	4.0	3	2	2
42	4.0	2	4.0	1	4	4

	Group A	Group B	Group C	Group D	Group E	Group F
	EN (Exp)	EN (Conv)	IN (Exp)	IN (Conv)	UN (Exp)	UN (Conv)
	Y	Y	Y	Y	Y	Y
43	2.0	4	2.0	3	4	4
44	3.0	2	3.0	2	4	4
45	3.0	5	3.0	4	3	3
46	3.0	5	3.0	4	2	4
47	3.0	5	3.0	4	5	5
48	4.0	5	4.0	4	3	3
49	3.0	4	3.0	3	4	4
50	4.0	5	4.0	4	2	3
51	4.0	4	4.0	3	4	3
52	3.0	4	3.0	4	2	3
53	2.0	4	2.0	4	2	3
54	2.0	5	3.0	5	2	4
55	3.0	5	3.0	4	1	1
56	3.0	5	3.0	4	5	5
57	1.0	5	2.0	5	2	4
58	3.0	5	4.0	4	2	3
59	4.0	5	5.0	5	3	3
60	4.0	5	4.0	5	4	4
61	1.0	3	2.0	3	3	3
62	5.0	5	5.0	5	4	4
63	4.0	5	3.0	4	3	4
64	1.0	3	2.0	3	1	2
65	5.0	4	4.0	3	3	4
66	4.0	4	3.0	4	4	4
67	5.0	5	4.0	4	5	5
68	3.0	5	4.0	5	2	2
69	4.0	5	4.0	4	4	3
70	3.0	5	4.0	3	3	3
71	2.0	3	4.0	4	3	4
72	3.0	5	4.0	5	2	3
73	5.0	5	4.0	5	5	5
74	2.0	5	2.0	5	1	1
75	3.0	4	3.0	3	3	4
76	4.0	5	4.0	5	3	3
77	4.0	5	4.0	4	4	4
78	4.0	4	4.0	3	3	2
79	4.0	5	3.0	3	4	4
80	5.0	5	5.0	5	5	4
81	2.0	5	2.0	5	3	3
82	2.0	5	3.0	5	2	2
83	2.0	4	2.0	4	2	3
84	1.0	4	2.0	3	4	4

	Group A	Group B	Group C	Group D	Group E	Group F
	EN (Exp)	EN (Conv)	IN (Exp)	IN (Conv)	UN (Exp)	UN (Conv)
	Y	Y	Y	Y	Y	Y
85	3.0	4	3.0	4	2	4
86	2.0	5	4.0	4	1	2
87	2.0	5	2.0	2	1	2
88	4.0	5	4.0	4	2	3
89	4.0	5	3.0	5	3	5
90	2.0	5	3.0	2	3	2
91	3.0	4	3.0	3	2	2
92	4.0	5	3.0	5	4	4
93	3.0	3	3.0	3	5	5
94	4.0	5	4.0	5	1	2
95	3.0	3	2.0	4	1	2
96	2.0	4	2.0	4	3	3
97	4.0	5	4.0	4	4	4
98	3.0	5	4.0	5	4	3
99	3.0	5	4.0	4	2	4
100	5.0	5	5.0	5	4	4
101	3.0	5	3.0	5	2	2
102	4.0	4	3.0	4	3	4
103	3.0	5	3.0	4	2	4
104	4.0	4	3.0	4	3	3
105	2.0	5	3.0	5	3	3
106	4.0	5	4.0	4	3	3

Friedman test ANOVA		
1	Table Analyzed	Conventional vs experimental
2		
3	Friedman test	
4	P value	<0.0001
5	Exact or approximate P value?	Approximate
6	P value summary	****
7	Are means signif. different? ($P < 0.05$)	Yes
8	Number of groups	6
9	Friedman statistic	134.6
10		
11	Data summary	
12	Number of treatments (columns)	6
13	Number of subjects (rows)	106

Friedman test Multiple comparisons						
1	Number of families	1				
2	Number of comparisons per family	3				
3	Alpha	0.05				
4						
5	Dunn's multiple comparisons test	Rank sum diff.	Significant?	Summary	Adjusted P Value	
6						
7	EN (Exp) vs. EN (Conv)	-200.5	Yes	****	<0.0001	A-B
8	IN (Exp) vs. IN (Conv)	-95.5	Yes	**	0.0014	C-D
9	UN (Exp) vs. UN (Conv)	-72	Yes	*	0.0246	E-F
10						
11						
12	Test details	Rank sum 1	Rank sum 2	Rank sum diff.	n1	n2
13						
14	EN (Exp) vs. EN (Conv)	321.5	522	-200.5	106	106
15	IN (Exp) vs. IN (Conv)	326.5	422	-95.5	106	106
16	UN (Exp) vs. UN (Conv)	281	353	-72	106	106

Friedman test Descriptive Statistics						
		EN (Exp)	EN (Conv)	IN (Exp)	IN (Conv)	UN (Exp)
1	Number of values	106	106	106	106	106
2						
3	Minimum	1	2	2	1	1
4	25% Percentile	3	4	3	3	2
5	Median	3	5	3	4	3
6	75% Percentile	4	5	4	5	4
7	Maximum	5	5	5	5	5
8						
9	Mean	3.354	4.396	3.429	3.925	3.094
10	Std. Deviation	1.014	0.7768	0.8713	0.9123	1.126
11	Std. Error of Mean	0.0985	0.07545	0.08463	0.08861	0.1093
12						
13	Lower 95% CI	3.158	4.247	3.261	3.749	2.878
14	Upper 95% CI	3.549	4.546	3.597	4.1	3.311
15						
16	Mean ranks	3.033	4.925	3.08	3.981	2.651

	UN (Conv)
1	106
2	
3	1
4	3
5	4
6	4
7	5
8	
9	3.472
10	0.9876
11	0.09593
12	
13	3.281
14	3.662
15	
16	3.33