

## summary of Gender-Engagement data

Obs	gender	engagement	new_id
1	Male	5.29	1
2	Male	5.45	2
3	Male	5.09	3
4	Male	5.81	4
5	Male	5.65	5
6	Male	4.86	6
7	Male	5.40	7
8	Male	5.70	8
9	Male	5.29	9
10	Male	5.49	10
11	Male	5.83	11
12	Male	6.19	12
13	Male	5.04	13
14	Male	5.38	14
15	Male	5.54	15
16	Male	5.79	16
17	Male	5.63	17
18	Male	6.08	18
19	Male	5.72	19
20	Male	5.96	20
21	Female	4.92	21
22	Female	5.23	22
23	Female	4.80	23
24	Female	5.55	24
25	Female	5.59	25
26	Female	4.65	26
27	Female	5.14	27
28	Female	5.66	28
29	Female	5.03	29
30	Female	5.13	30
31	Female	5.50	31
32	Female	5.84	32
33	Female	7.23	33
34	Female	5.19	34
35	Female	5.33	35
36	Female	5.52	36
37	Female	5.34	37
38	Female	5.77	38

summary of Gender-Engagement data

Obs	gender	engagement	new_id
39	Female	5.41	39
40	Female	5.70	40

# Mann-Whitney Test on gender and engagement

## The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable engagement Classified by Variable gender					
gender	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
Male	20	465.0	410.0	36.968455	23.250
Female	20	355.0	410.0	36.968455	17.750

Wilcoxon Two-Sample Test					
Statistic	Z	Pr > Z	Pr >  Z	t Approximation	
				Pr > Z	Pr >  Z
465.0000	1.4742	0.0702	0.1404	0.0742	0.1484
Z includes a continuity correction of 0.5.					

Kruskal-Wallis Test		
Chi-Square	DF	Pr > ChiSq
2.2134	1	0.1368

