

The NPARIWAY Procedure

Siegel-Tukey Scores for Variable y Classified by Variable treatment					
treatment	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
1	5	24.0	27.50	4.787136	4.80
2	5	31.0	27.50	4.787136	6.20

Siegel-Tukey Two-Sample Test	
Statistic (S)	24.0000
Z	-0.6267
One-Sided Pr < Z	0.2654
Two-Sided Pr > Z	0.5309
Z includes a continuity correction of 0.5.	

Monte Carlo Estimates for the Exact Test	
One-Sided Pr <= S	
Estimate	0.2685
99% Lower Conf Limit	0.2430
99% Upper Conf Limit	0.2940
Two-Sided Pr >= S - Mean	
Estimate	0.5340
99% Lower Conf Limit	0.5053
99% Upper Conf Limit	0.5627
Number of Samples	2000
Initial Seed	448478001

Siegel-Tukey One-Way Analysis	
Chi-Square	0.5345
DF	1
Pr > Chi-Square	0.4647

The NPARIWAY Procedure

Ansari-Bradley Scores for Variable y Classified by Variable treatment					
treatment	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
1	5	13.0	15.0	2.357023	2.60
2	5	17.0	15.0	2.357023	3.40

Ansari-Bradley Two-Sample Test	
Statistic (S)	13.0000
Z	-0.8485
One-Sided Pr < Z	0.1981
Two-Sided Pr > Z	0.3961

Monte Carlo Estimates for the Exact Test	
One-Sided Pr <= S	
Estimate	0.2760
99% Lower Conf Limit	0.2502
99% Upper Conf Limit	0.3018
Two-Sided Pr >= S - Mean	
Estimate	0.5415
99% Lower Conf Limit	0.5128
99% Upper Conf Limit	0.5702
Number of Samples	2000
Initial Seed	1491955556

Ansari-Bradley One-Way Analysis	
Chi-Square	0.7200
DF	1
Pr > Chi-Square	0.3961