

Obs	treatment	y
1	1	6.08
2	1	7.51
3	1	22.29
4	2	22.71
5	1	23.68
6	3	23.84
7	3	28.03
8	3	29.64
9	2	30.45
10	2	31.47
11	3	32.04
12	3	32.74
13	1	34.36
14	2	36.81
15	2	44.52

*The MEANS Procedure*

Analysis Variable : rkvy Rank for Variable y				
N	Mean	Std Dev	Minimum	Maximum
15	-4.44089E-17	0.8688231	-1.5341205	1.5341205

*The MEANS Procedure*

Analysis Variable : rkvwy Rank for Variable y						
treatment	N Obs	N	Mean	Std Dev	Minimum	Maximum
1	5	5	-0.6346493	0.9321871	-1.5341205	0.8871466
2	5	5	0.4971860	0.8692056	-0.6744898	1.5341205
3	5	5	0.1374632	0.4259213	-0.3186394	0.6744898

Obs	treatment	y	rkwy
1	1	6.08	-1.53412
2	1	7.51	-1.15035
3	1	22.29	-0.88715
4	2	22.71	-0.67449
5	1	23.68	-0.48878
6	3	23.84	-0.31864
7	3	28.03	-0.15731
8	3	29.64	-0.00000
9	2	30.45	0.15731
10	2	31.47	0.31864
11	3	32.04	0.48878
12	3	32.74	0.67449
13	1	34.36	0.88715
14	2	36.81	1.15035
15	2	44.52	1.53412

**The NPAR1WAY Procedure**

Wilcoxon Scores (Rank Sums) 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	40.0	8.164966	4.80
2	5	52.0	40.0	8.164966	10.40
3	5	44.0	40.0	8.164966	8.80

Kruskal-Wallis Test	
Chi-Square	4.1600
DF	2
Pr > Chi-Square	0.1249

Monte Carlo Estimate for the Exact Test	
Pr >= Chi-Square	
Estimate	0.1120
99% Lower Conf Limit	0.0938
99% Upper Conf Limit	0.1302
Number of Samples	2000
Initial Seed	272204001

The NPARIWAY Procedure

Van der Waerden Scores (Normal) for Variable y Classified by Variable treatment					
treatment	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
1	5	-3.173246	0.0	1.586247	-0.634649
2	5	2.485930	0.0	1.586247	0.497186
3	5	0.687316	0.0	1.586247	0.137463

Van der Waerden One-Way Analysis	
Chi-Square	4.4305
DF	2
Pr > Chi-Square	0.1091

Monte Carlo Estimate for the Exact Test	
Pr >= Chi-Square	
Estimate	0.1115
99% Lower Conf Limit	0.0934
99% Upper Conf Limit	0.1296
Number of Samples	2000
Initial Seed	272345001

**The NPAR1WAY Procedure**

Wilcoxon Scores (Rank Sums) for Variable y Classified by Variable product					
product	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
1	7	111.00	77.0	13.122500	15.857143
2	8	82.50	88.0	13.518242	10.312500
3	6	37.50	66.0	12.575486	6.250000
Average scores were used for ties.					

Kruskal-Wallis Test	
Chi-Square	8.2466
DF	2
Pr > Chi-Square	0.0162

Monte Carlo Estimate for the Exact Test	
Pr >= Chi-Square	
Estimate	0.0125
99% Lower Conf Limit	0.0061
99% Upper Conf Limit	0.0189
Number of Samples	2000
Initial Seed	272423001