

The MEANS Procedure

Analysis Variable : y						
j	N Obs	N	Mean	Std Dev	Minimum	Maximum
1	1000	1000	0.000571206	0.9841876	-3.1882209	3.2040591
2	1000	1000	0.0896526	1.0547966	-3.4663048	3.7383893

The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable y Classified by Variable j					
j	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
1	1000	976251.0	1000500.0	12913.1716	976.2510
2	1000	1024749.0	1000500.0	12913.1716	1024.7490

Wilcoxon Two-Sample Test	
Statistic (S)	976251.0000
Normal Approximation	
Z	-1.8778
One-Sided Pr < Z	0.0302
Two-Sided Pr > Z 	0.0604
t Approximation	
One-Sided Pr < Z	0.0303
Two-Sided Pr > Z 	0.0606
Z includes a continuity correction of 0.5.	

Monte Carlo Estimates for the Exact Test	
One-Sided Pr <= S	
Estimate	0.0315
99% Lower Conf Limit	0.0214
99% Upper Conf Limit	0.0416
Two-Sided Pr >= S - Mean 	
Estimate	0.0625
99% Lower Conf Limit	0.0486
99% Upper Conf Limit	0.0764
Number of Samples	2000
Initial Seed	962034001

The NPAR1WAY Procedure

Kruskal-Wallis Test	
Chi-Square	3.5263
DF	1
Pr > Chi-Square	0.0604

The NPARIWAY Procedure

Van der Waerden Scores (Normal) for Variable y Classified by Variable j					
j	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
1	1000	-44.355114	0.0	22.291977	-0.044355
2	1000	44.355114	0.0	22.291977	0.044355

Van der Waerden Two-Sample Test	
Statistic (S)	-44.3551
Z	-1.9897
One-Sided Pr < Z	0.0233
Two-Sided Pr > Z	0.0466

Monte Carlo Estimates for the Exact Test	
One-Sided Pr <= S	
Estimate	0.0265
99% Lower Conf Limit	0.0172
99% Upper Conf Limit	0.0358
Two-Sided Pr >= S - Mean	
Estimate	0.0495
99% Lower Conf Limit	0.0370
99% Upper Conf Limit	0.0620
Number of Samples	2000
Initial Seed	1855897818

Van der Waerden One-Way Analysis	
Chi-Square	3.9590
DF	1
Pr > Chi-Square	0.0466

The NPARIWAY Procedure

Savage Scores (Exponential) for Variable y Classified by Variable j					
j	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
1	1000	-60.775071	0.0	22.320495	-0.060775
2	1000	60.775071	0.0	22.320495	0.060775

Savage Two-Sample Test	
Statistic (S)	-60.7751
Z	-2.7228
One-Sided Pr < Z	0.0032
Two-Sided Pr > Z	0.0065

Monte Carlo Estimates for the Exact Test	
One-Sided Pr <= S	
Estimate	0.0035
99% Lower Conf Limit	9.762E-05
99% Upper Conf Limit	0.0069
Two-Sided Pr >= S - Mean	
Estimate	0.0070
99% Lower Conf Limit	0.0022
99% Upper Conf Limit	0.0118
Number of Samples	2000
Initial Seed	1058593177

Savage One-Way Analysis	
Chi-Square	7.4138
DF	1
Pr > Chi-Square	0.0065

The NPARIWAY Procedure

Data Scores for Variable y Classified by Variable j					
j	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
1	1000	0.571206	45.111926	22.826244	0.000571
2	1000	89.652646	45.111926	22.826244	0.089653

Data Scores Two-Sample Test	
Statistic (S)	0.5712
Z	-1.9513
One-Sided Pr < Z	0.0255
Two-Sided Pr > Z	0.0510

Monte Carlo Estimates for the Exact Test	
One-Sided Pr <= S	
Estimate	0.0375
99% Lower Conf Limit	0.0266
99% Upper Conf Limit	0.0484
Two-Sided Pr >= S - Mean	
Estimate	0.0625
99% Lower Conf Limit	0.0486
99% Upper Conf Limit	0.0764
Number of Samples	2000
Initial Seed	1039381031

Data Scores One-Way Analysis	
Chi-Square	3.8075
DF	1
Pr > Chi-Square	0.0510