

Tutorial 6 Question 2 Wilcoxon rank sum test

The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable time Classified by Variable plant					
plant	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
Plant 1	20	345.50	410.0	36.966721	17.2750
Plant 2	20	474.50	410.0	36.966721	23.7250
Average scores were used for ties.					

Wilcoxon Two-Sample Test							
Statistic (S)	Z	Pr < Z	Pr > Z	t Approximation		Exact	
				Pr < Z	Pr > Z	Pr <= S	Pr >= S-Mean
345.5000	-1.7313	0.0417	0.0834	0.0457	0.0913	0.0411	0.0822
Z includes a continuity correction of 0.5.							

Kruskal-Wallis Test		
Chi-Square	DF	Pr > ChiSq
3.0444	1	0.0810

