

## NPAr TESTS

/WILCOXON=Twtest WITH Normal (PAIRED)  
/MISSING ANALYSIS.

## NPAr Tests

### Notes

Output Created	15-JAN-2016 17:43:22	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	16
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax	NPAr TESTS /WILCOXON=Twtest WITH Normal (PAIRED) /MISSING ANALYSIS.	
Resources	Processor Time	00:00:00,00
	Elapsed Time	00:00:00,00
	Number of Cases Allowed <sup>a</sup>	112347

a. Based on availability of workspace memory.

## Wilcoxon Signed Ranks Test

### Ranks

		N	Mean Rank	Sum of Ranks
Normal - Twtest	Negative Ranks	0 <sup>a</sup>	,00	,00
	Positive Ranks	16 <sup>b</sup>	8,50	136,00
	Ties	0 <sup>c</sup>		
	Total	16		

a. Normal < Twtest

b. Normal > Twtest

c. Normal = Twtest

**Test Statistics<sup>a</sup>**

	Normal - Twest
Z	-3,519 <sup>b</sup>
Asymp. Sig. (2-tailed)	,000

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.