```
NPAR TESTS
  /WILCOXON=PreTest WITH PostTest (PAIRED)
  /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		13-SEP-2020 16:15:10
Comments		
Input	Data	E: \Projects_GitHub\Volumini s\ArtitleVoluminis.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	23
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=PreTest WITH PostTest (PAIRED) /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01
	Number of Cases Allowed[a]	449389

a. Based on availability of workspace memory.

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
PostTest - PreTest	Negative Ranks	1[a]	7.00	7.00
	Positive Ranks	15[b]	8.60	129.00
	Ties	5[c]		
	Total	21		

a. PostTest < PreTest

b. PostTest > PreTest

c. PostTest = PreTest

Test Statistics[a]

	PostTest - PreTest
Z	-3.366[b]
Asymp. Sig. (2-tailed)	.001

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.