

- a. Wilcoxon Signed Ranks Test
- b. Based on negative ranks.
- c. Based on positive ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:35
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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.

Notes

Syntax	<pre> NPAR TESTS /WILCOXON=T0DRUID. A T3DRUID.A T4DRUID.A T5DRUID.A T6DRUID.A T7DRUID.A T8DRUID.A T9DRUID.A T10DRUID.A T11DRUID.A T12DRUID.A T0DRUID.B T3DRUID. B T4DRUID.B T5DRUID.B T6DRUID.B T7DRUID.B T8DRUID.B T9DRUID.B T10DRUID.B T11DRUID.B T12DRUID.B T0DRUID.C T3DRUID. C T4DRUID.C T5DRUID.C T6DRUID.C T7DRUID.C T8DRUID.C T9DRUID.C T10DRUID.C T11DRUID.C T12DRUID.C WITH T0DRUID.B T3DRUID. B T4DRUID.B T5DRUID.B T6DRUID.B T7DRUID.B T8DRUID.B T9DRUID.B T10DRUID.B T11DRUID.B T12DRUID.B T0DRUID.C T3DRUID. C T4DRUID.C T5DRUID.C T6DRUID.C T7DRUID.C T8DRUID.C T9DRUID.C T10DRUID.C T11DRUID.C T12DRUID.C T0DRUID.A T3DRUID. A T4DRUID.A T5DRUID.A T6DRUID.A T7DRUID.A T8DRUID.A T9DRUID.A T10DRUID.A T11DRUID.A T12DRUID.A (PAIRED) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS. </pre>	
Resources	Processor Time	00:00:00.05
	Elapsed Time	00:00:00.00
	Number of Cases Allowed ^a	82782

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T0DRUID.A	20	41.580	3.1267	36.0	49.1
T3DRUID.A	17	43.206	3.6590	37.7	50.4
T4DRUID.A	19	42.895	4.3155	37.8	51.5
T5DRUID.A	20	43.225	5.2318	36.9	54.8
T6DRUID.A	20	43.890	5.7303	36.4	55.8
T7DRUID.A	20	42.640	4.1279	37.1	52.1
T8DRUID.A	20	43.615	5.1506	36.6	58.9
T9DRUID.A	20	42.225	3.2465	37.6	51.8
T10DRUID.A	20	42.600	4.6202	37.7	54.8
T11DRUID.A	20	41.875	4.1291	36.3	53.2
T12DRUID.A	19	43.332	5.8014	37.1	56.7
T0DRUID.B	20	41.445	4.4250	35.3	52.3
T3DRUID.B	19	40.900	5.1397	30.4	51.4
T4DRUID.B	20	42.085	3.9159	36.2	49.7
T5DRUID.B	20	42.375	5.0280	35.9	54.0
T6DRUID.B	20	41.055	5.0772	35.1	58.2
T7DRUID.B	20	42.415	5.6354	36.4	56.6
T8DRUID.B	20	40.805	3.9331	34.8	50.4
T9DRUID.B	20	41.420	4.2231	35.5	51.6
T10DRUID.B	20	41.700	3.4073	36.2	48.0
T11DRUID.B	20	40.965	4.1949	36.1	54.5
T12DRUID.B	19	41.332	5.1035	33.4	55.2
T0DRUID.C	20	40.475	2.5657	34.7	44.6
T3DRUID.C	18	43.122	5.3266	34.8	56.1
T4DRUID.C	20	43.305	5.0970	36.4	57.6
T5DRUID.C	19	42.616	5.2166	36.9	59.5
T6DRUID.C	20	42.130	3.9654	36.5	49.4
T7DRUID.C	20	42.195	3.3565	36.6	49.5
T8DRUID.C	20	42.985	3.9048	38.5	54.4
T9DRUID.C	19	42.716	5.0754	36.6	60.4
T10DRUID.C	20	42.420	5.0137	36.9	55.0
T11DRUID.C	19	42.542	4.3936	36.5	51.1
T12DRUID.C	19	41.953	4.3205	35.2	54.1

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T0DRUID.B - T0DRUID.A	Negative Ranks	10 ^a	11.45	114.50
	Positive Ranks	10 ^b	9.55	95.50
	Ties	0 ^c		
	Total	20		
T3DRUID.B - T3DRUID.A	Negative Ranks	11 ^d	10.50	115.50
	Positive Ranks	5 ^e	4.10	20.50
	Ties	0 ^f		
	Total	16		
T4DRUID.B - T4DRUID.A	Negative Ranks	12 ^g	10.67	128.00
	Positive Ranks	7 ^h	8.86	62.00
	Ties	0 ⁱ		
	Total	19		
T5DRUID.B - T5DRUID.A	Negative Ranks	13 ^j	10.69	139.00
	Positive Ranks	7 ^k	10.14	71.00
	Ties	0 ^l		
	Total	20		
T6DRUID.B - T6DRUID.A	Negative Ranks	15 ^m	11.63	174.50
	Positive Ranks	5 ⁿ	7.10	35.50
	Ties	0 ^o		
	Total	20		
T7DRUID.B - T7DRUID.A	Negative Ranks	9 ^p	12.00	108.00
	Positive Ranks	10 ^q	8.20	82.00
	Ties	1 ^r		
	Total	20		
T8DRUID.B - T8DRUID.A	Negative Ranks	14 ^s	12.61	176.50
	Positive Ranks	6 ^t	5.58	33.50
	Ties	0 ^u		
	Total	20		
T9DRUID.B - T9DRUID.A	Negative Ranks	12 ^v	11.08	133.00
	Positive Ranks	8 ^w	9.63	77.00
	Ties	0 ^x		
	Total	20		
T10DRUID.B - T10DRUID. A	Negative Ranks	12 ^y	11.75	141.00
	Positive Ranks	8 ^z	8.63	69.00
	Ties	0 ^{aa}		
	Total	20		
T11DRUID.B - T11DRUID. A	Negative Ranks	13 ^{ab}	10.54	137.00
	Positive Ranks	6 ^{ac}	8.83	53.00

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	1 ^{ad}		
	Total	20		
T12DRUID.B - T12DRUID.A	Negative Ranks	12 ^{ae}	10.71	128.50
	Positive Ranks	6 ^{af}	7.08	42.50
	Ties	0 ^{ag}		
	Total	18		
T0DRUID.C - T0DRUID.B	Negative Ranks	11 ^{ah}	11.45	126.00
	Positive Ranks	9 ^{ai}	9.33	84.00
	Ties	0 ^{aj}		
	Total	20		
T3DRUID.C - T3DRUID.B	Negative Ranks	6 ^{ak}	7.50	45.00
	Positive Ranks	12 ^{al}	10.50	126.00
	Ties	0 ^{am}		
	Total	18		
T4DRUID.C - T4DRUID.B	Negative Ranks	11 ^{an}	7.73	85.00
	Positive Ranks	9 ^{ao}	13.89	125.00
	Ties	0 ^{ap}		
	Total	20		
T5DRUID.C - T5DRUID.B	Negative Ranks	7 ^{aq}	10.21	71.50
	Positive Ranks	12 ^{ar}	9.88	118.50
	Ties	0 ^{as}		
	Total	19		
T6DRUID.C - T6DRUID.B	Negative Ranks	5 ^{at}	12.80	64.00
	Positive Ranks	15 ^{au}	9.73	146.00
	Ties	0 ^{av}		
	Total	20		
T7DRUID.C - T7DRUID.B	Negative Ranks	8 ^{aw}	11.88	95.00
	Positive Ranks	12 ^{ax}	9.58	115.00
	Ties	0 ^{ay}		
	Total	20		
T8DRUID.C - T8DRUID.B	Negative Ranks	5 ^{az}	6.70	33.50
	Positive Ranks	15 ^{ba}	11.77	176.50
	Ties	0 ^{bb}		
	Total	20		
T9DRUID.C - T9DRUID.B	Negative Ranks	5 ^{bc}	9.00	45.00
	Positive Ranks	14 ^{bd}	10.36	145.00
	Ties	0 ^{be}		
	Total	19		

Ranks

		N	Mean Rank	Sum of Ranks
T10DRUID.C - T10DRUID. B	Negative Ranks	9 ^{bf}	9.61	86.50
	Positive Ranks	11 ^{bg}	11.23	123.50
	Ties	0 ^{bh}		
	Total	20		
T11DRUID.C - T11DRUID. B	Negative Ranks	5 ^{bi}	7.40	37.00
	Positive Ranks	14 ^{bj}	10.93	153.00
	Ties	0 ^{bk}		
	Total	19		
T12DRUID.C - T12DRUID. B	Negative Ranks	4 ^{bl}	10.25	41.00
	Positive Ranks	14 ^{bm}	9.29	130.00
	Ties	0 ^{bn}		
	Total	18		
T0DRUID.A - T0DRUID.C	Negative Ranks	8 ^{bo}	6.38	51.00
	Positive Ranks	10 ^{bp}	12.00	120.00
	Ties	2 ^{bq}		
	Total	20		
T3DRUID.A - T3DRUID.C	Negative Ranks	5 ^{br}	8.60	43.00
	Positive Ranks	10 ^{bs}	7.70	77.00
	Ties	0 ^{bt}		
	Total	15		
T4DRUID.A - T4DRUID.C	Negative Ranks	8 ^{bu}	9.75	78.00
	Positive Ranks	10 ^{bv}	9.30	93.00
	Ties	1 ^{bw}		
	Total	19		
T5DRUID.A - T5DRUID.C	Negative Ranks	8 ^{bx}	10.06	80.50
	Positive Ranks	9 ^{by}	8.06	72.50
	Ties	2 ^{bz}		
	Total	19		
T6DRUID.A - T6DRUID.C	Negative Ranks	9 ^{ca}	8.83	79.50
	Positive Ranks	11 ^{cb}	11.86	130.50
	Ties	0 ^{cc}		
	Total	20		
T7DRUID.A - T7DRUID.C	Negative Ranks	8 ^{cd}	11.31	90.50
	Positive Ranks	12 ^{ce}	9.96	119.50
	Ties	0 ^{cf}		
	Total	20		
T8DRUID.A - T8DRUID.C	Negative Ranks	7 ^{cg}	11.29	79.00
	Positive Ranks	13 ^{ch}	10.08	131.00

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	0 ^{ci}		
	Total	20		
T9DRUID.A - T9DRUID.C	Negative Ranks	9 ^{cj}	10.89	98.00
	Positive Ranks	10 ^{ck}	9.20	92.00
	Ties	0 ^{cl}		
	Total	19		
T10DRUID.A - T10DRUID.C	Negative Ranks	9 ^{cm}	11.39	102.50
	Positive Ranks	11 ^{cn}	9.77	107.50
	Ties	0 ^{co}		
	Total	20		
T11DRUID.A - T11DRUID.C	Negative Ranks	13 ^{cp}	8.35	108.50
	Positive Ranks	4 ^{cq}	11.13	44.50
	Ties	2 ^{cr}		
	Total	19		
T12DRUID.A - T12DRUID.C	Negative Ranks	8 ^{cs}	9.25	74.00
	Positive Ranks	10 ^{ct}	9.70	97.00
	Ties	0 ^{cu}		
	Total	18		

- a. T0DRUID.B < T0DRUID.A
- b. T0DRUID.B > T0DRUID.A
- c. T0DRUID.B = T0DRUID.A
- d. T3DRUID.B < T3DRUID.A
- e. T3DRUID.B > T3DRUID.A
- f. T3DRUID.B = T3DRUID.A
- g. T4DRUID.B < T4DRUID.A
- h. T4DRUID.B > T4DRUID.A
- i. T4DRUID.B = T4DRUID.A
- j. T5DRUID.B < T5DRUID.A
- k. T5DRUID.B > T5DRUID.A
- l. T5DRUID.B = T5DRUID.A
- m. T6DRUID.B < T6DRUID.A
- n. T6DRUID.B > T6DRUID.A
- o. T6DRUID.B = T6DRUID.A
- p. T7DRUID.B < T7DRUID.A
- q. T7DRUID.B > T7DRUID.A
- r. T7DRUID.B = T7DRUID.A
- s. T8DRUID.B < T8DRUID.A
- t. T8DRUID.B > T8DRUID.A
- u. T8DRUID.B = T8DRUID.A
- v. T9DRUID.B < T9DRUID.A
- w. T9DRUID.B > T9DRUID.A
- x. T9DRUID.B = T9DRUID.A

w. $T9DRUID.B > T9DRUID.A$
x. $T9DRUID.B = T9DRUID.A$
y. $T10DRUID.B < T10DRUID.A$
z. $T10DRUID.B > T10DRUID.A$
aa. $T10DRUID.B = T10DRUID.A$
ab. $T11DRUID.B < T11DRUID.A$
ac. $T11DRUID.B > T11DRUID.A$
ad. $T11DRUID.B = T11DRUID.A$
ae. $T12DRUID.B < T12DRUID.A$
af. $T12DRUID.B > T12DRUID.A$
ag. $T12DRUID.B = T12DRUID.A$
ah. $T0DRUID.C < T0DRUID.B$
ai. $T0DRUID.C > T0DRUID.B$
aj. $T0DRUID.C = T0DRUID.B$
ak. $T3DRUID.C < T3DRUID.B$
al. $T3DRUID.C > T3DRUID.B$
am. $T3DRUID.C = T3DRUID.B$
an. $T4DRUID.C < T4DRUID.B$
ao. $T4DRUID.C > T4DRUID.B$
ap. $T4DRUID.C = T4DRUID.B$
aq. $T5DRUID.C < T5DRUID.B$
ar. $T5DRUID.C > T5DRUID.B$
as. $T5DRUID.C = T5DRUID.B$
at. $T6DRUID.C < T6DRUID.B$
au. $T6DRUID.C > T6DRUID.B$
av. $T6DRUID.C = T6DRUID.B$
aw. $T7DRUID.C < T7DRUID.B$
ax. $T7DRUID.C > T7DRUID.B$
ay. $T7DRUID.C = T7DRUID.B$
az. $T8DRUID.C < T8DRUID.B$
ba. $T8DRUID.C > T8DRUID.B$
bb. $T8DRUID.C = T8DRUID.B$
bc. $T9DRUID.C < T9DRUID.B$
bd. $T9DRUID.C > T9DRUID.B$
be. $T9DRUID.C = T9DRUID.B$
bf. $T10DRUID.C < T10DRUID.B$
bg. $T10DRUID.C > T10DRUID.B$
bh. $T10DRUID.C = T10DRUID.B$
bi. $T11DRUID.C < T11DRUID.B$
bj. $T11DRUID.C > T11DRUID.B$
bk. $T11DRUID.C = T11DRUID.B$
bl. $T12DRUID.C < T12DRUID.B$
bm. $T12DRUID.C > T12DRUID.B$
bn. $T12DRUID.C = T12DRUID.B$
bo. $T0DRUID.A < T0DRUID.C$

- bo. T0DRUID.A < T0DRUID.C
- bp. T0DRUID.A > T0DRUID.C
- bq. T0DRUID.A = T0DRUID.C
- br. T3DRUID.A < T3DRUID.C
- bs. T3DRUID.A > T3DRUID.C
- bt. T3DRUID.A = T3DRUID.C
- bu. T4DRUID.A < T4DRUID.C
- bv. T4DRUID.A > T4DRUID.C
- bw. T4DRUID.A = T4DRUID.C
- bx. T5DRUID.A < T5DRUID.C
- by. T5DRUID.A > T5DRUID.C
- bz. T5DRUID.A = T5DRUID.C
- ca. T6DRUID.A < T6DRUID.C
- cb. T6DRUID.A > T6DRUID.C
- cc. T6DRUID.A = T6DRUID.C
- cd. T7DRUID.A < T7DRUID.C
- ce. T7DRUID.A > T7DRUID.C
- cf. T7DRUID.A = T7DRUID.C
- cg. T8DRUID.A < T8DRUID.C
- ch. T8DRUID.A > T8DRUID.C
- ci. T8DRUID.A = T8DRUID.C
- cj. T9DRUID.A < T9DRUID.C
- ck. T9DRUID.A > T9DRUID.C
- cl. T9DRUID.A = T9DRUID.C
- cm. T10DRUID.A < T10DRUID.C
- cn. T10DRUID.A > T10DRUID.C
- co. T10DRUID.A = T10DRUID.C
- cp. T11DRUID.A < T11DRUID.C
- cq. T11DRUID.A > T11DRUID.C
- cr. T11DRUID.A = T11DRUID.C
- cs. T12DRUID.A < T12DRUID.C
- ct. T12DRUID.A > T12DRUID.C
- cu. T12DRUID.A = T12DRUID.C

Test Statistics^a

	T0DRUID.B - T0DRUID.A	T3DRUID.B - T3DRUID.A	T4DRUID.B - T4DRUID.A	T5DRUID.B - T5DRUID.A
Z	-.355 ^b	-2.457 ^b	-1.328 ^b	-1.270 ^b
Asymp. Sig. (2-tailed)	.723	.014	.184	.204

Test Statistics ^a				
	T6DRUID.B - T6DRUID.A	T7DRUID.B - T7DRUID.A	T8DRUID.B - T8DRUID.A	T9DRUID.B - T9DRUID.A
Z	-2.595 ^b	-.523 ^b	-2.670 ^b	-1.046 ^b
Asymp. Sig. (2-tailed)	.009	.601	.008	.296

Test Statistics ^a				
	T10DRUID.B - T10DRUID.A	T11DRUID.B - T11DRUID.A	T12DRUID.B - T12DRUID.A	T0DRUID.C - T0DRUID.B
Z	-1.344 ^b	-1.691 ^b	-1.873 ^b	-.784 ^b
Asymp. Sig. (2-tailed)	.179	.091	.061	.433

Test Statistics ^a				
	T3DRUID.C - T3DRUID.B	T4DRUID.C - T4DRUID.B	T5DRUID.C - T5DRUID.B	T6DRUID.C - T6DRUID.B
Z	-1.764 ^c	-.747 ^c	-.946 ^c	-1.531 ^c
Asymp. Sig. (2-tailed)	.078	.455	.344	.126

Test Statistics ^a				
	T7DRUID.C - T7DRUID.B	T8DRUID.C - T8DRUID.B	T9DRUID.C - T9DRUID.B	T10DRUID.C - T10DRUID.B
Z	-.373 ^c	-2.670 ^c	-2.013 ^c	-.691 ^c
Asymp. Sig. (2-tailed)	.709	.008	.044	.490

Test Statistics ^a				
	T11DRUID.C - T11DRUID.B	T12DRUID.C - T12DRUID.B	T0DRUID.A - T0DRUID.C	T3DRUID.A - T3DRUID.C
Z	-2.335 ^c	-1.939 ^c	-1.503 ^c	-.966 ^c
Asymp. Sig. (2-tailed)	.020	.053	.133	.334

Test Statistics ^a				
	T4DRUID.A - T4DRUID.C	T5DRUID.A - T5DRUID.C	T6DRUID.A - T6DRUID.C	T7DRUID.A - T7DRUID.C
Z	-.327 ^c	-.189 ^b	-.952 ^c	-.541 ^c
Asymp. Sig. (2-tailed)	.744	.850	.341	.588

Test Statistics ^a				
	T8DRUID.A - T8DRUID.C	T9DRUID.A - T9DRUID.C	T10DRUID.A - T10DRUID.C	T11DRUID.A - T11DRUID.C
Z	-.971 ^c	-.121 ^b	-.093 ^c	-1.515 ^b
Asymp. Sig. (2-tailed)	.332	.904	.926	.130

Test Statistics^a

	T12DRUID.A - T12DRUID.C
Z	-.501 ^c
Asymp. Sig. (2-tailed)	.616

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.
- c. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:35
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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.

Notes

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Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
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	Filter	<none>
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	Split File	<none>
	N of Rows in Working Data File	20
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.

Notes

Syntax

```
NPART TESTS
/WILCOXON=T0SHAS3.
A T1SHAS3.A T2SHAS3.A
T3SHAS3.A T4SHAS3.A
T5SHAS3.A T6SHAS3.A
T7SHAS3.A T8SHAS3.A
T9SHAS3.A T10SHAS3.A
T11SHAS3.A
T12SHAS3.A
T0SHAS3.B T1SHAS3.
B T2SHAS3.B T3SHAS3.B
T4SHAS3.B T5SHAS3.B
T6SHAS3.B T7SHAS3.B
T8SHAS3.B T9SHAS3.B
T10SHAS3.B
T11SHAS3.B
T12SHAS3.B
T0SHAS3.C T1SHAS3.
C T2SHAS3.C T3SHAS3.C
T4SHAS3.C T5SHAS3.C
T6SHAS3.C T7SHAS3.C
T8SHAS3.C T9SHAS3.C
T10SHAS3.C
T11SHAS3.C
T12SHAS3.C
WITH
T0SHAS3.B T1SHAS3.
B T2SHAS3.B T3SHAS3.B
T4SHAS3.B T5SHAS3.B
T6SHAS3.B T7SHAS3.B
T8SHAS3.B T9SHAS3.B
T10SHAS3.B
T11SHAS3.B
T12SHAS3.B
T0SHAS3.C T1SHAS3.
C T2SHAS3.C T3SHAS3.C
T4SHAS3.C T5SHAS3.C
T6SHAS3.C T7SHAS3.C
T8SHAS3.C T9SHAS3.C
T10SHAS3.C
T11SHAS3.C
T12SHAS3.C
T0SHAS3.A T1SHAS3.
A T2SHAS3.A T3SHAS3.A
T4SHAS3.A T5SHAS3.A
T6SHAS3.A T7SHAS3.A
T8SHAS3.A T9SHAS3.A
T10SHAS3.A
T11SHAS3.A
T12SHAS3.A (PAIRED)
/STATISTICS
DESCRIPTIVES
/MISSING ANALYSIS.
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Notes

Resources	Processor Time	00:00:00.06
	Elapsed Time	00:00:00.00
	Number of Cases Allowed ^a	71493

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T0SHAS3.A	19	1.05	.229	1	2
T1SHAS3.A	16	1.13	.342	1	2
T2SHAS3.A	17	1.29	.588	1	3
T3SHAS3.A	19	1.21	.535	1	3
T4SHAS3.A	19	1.11	.315	1	2
T5SHAS3.A	19	1.74	1.368	1	6
T6SHAS3.A	19	1.47	.772	1	4
T7SHAS3.A	19	1.74	1.522	1	7
T8SHAS3.A	19	1.58	.838	1	3
T9SHAS3.A	19	1.42	.769	1	3
T10SHAS3.A	19	1.26	.733	1	4
T11SHAS3.A	18	1.17	.383	1	2
T12SHAS3.A	18	1.11	.323	1	2
T0SHAS3.B	19	1.00	.000	1	1
T1SHAS3.B	18	1.06	.236	1	2
T2SHAS3.B	19	1.00	.000	1	1
T3SHAS3.B	19	1.00	.000	1	1
T4SHAS3.B	19	1.00	.000	1	1
T5SHAS3.B	19	1.21	.535	1	3
T6SHAS3.B	19	1.11	.315	1	2
T7SHAS3.B	19	1.11	.459	1	3
T8SHAS3.B	18	1.00	.000	1	1
T9SHAS3.B	19	1.00	.000	1	1
T10SHAS3.B	19	1.00	.000	1	1
T11SHAS3.B	18	1.06	.236	1	2
T12SHAS3.B	17	1.06	.243	1	2
T0SHAS3.C	18	1.06	.236	1	2
T1SHAS3.C	18	1.06	.236	1	2
T2SHAS3.C	17	1.06	.243	1	2
T3SHAS3.C	18	1.28	.575	1	3
T4SHAS3.C	18	1.33	.594	1	3
T5SHAS3.C	18	1.39	.778	1	4
T6SHAS3.C	18	1.67	.907	1	4

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T7SHAS3.C	18	1.50	.786	1	3
T8SHAS3.C	18	1.22	.428	1	2
T9SHAS3.C	18	1.11	.323	1	2
T10SHAS3.C	18	1.06	.236	1	2
T11SHAS3.C	17	1.06	.243	1	2
T12SHAS3.C	17	1.12	.332	1	2

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T0SHAS3.B - T0SHAS3.A	Negative Ranks	1 ^a	1.00	1.00
	Positive Ranks	0 ^b	.00	.00
	Ties	18 ^c		
	Total	19		
T1SHAS3.B - T1SHAS3.A	Negative Ranks	2 ^d	2.00	4.00
	Positive Ranks	1 ^e	2.00	2.00
	Ties	12 ^f		
	Total	15		
T2SHAS3.B - T2SHAS3.A	Negative Ranks	4 ^g	2.50	10.00
	Positive Ranks	0 ^h	.00	.00
	Ties	13 ⁱ		
	Total	17		
T3SHAS3.B - T3SHAS3.A	Negative Ranks	3 ^j	2.00	6.00
	Positive Ranks	0 ^k	.00	.00
	Ties	16 ^l		
	Total	19		
T4SHAS3.B - T4SHAS3.A	Negative Ranks	2 ^m	1.50	3.00
	Positive Ranks	0 ⁿ	.00	.00
	Ties	17 ^o		
	Total	19		
T5SHAS3.B - T5SHAS3.A	Negative Ranks	6 ^p	4.33	26.00
	Positive Ranks	1 ^q	2.00	2.00
	Ties	12 ^r		
	Total	19		
T6SHAS3.B - T6SHAS3.A	Negative Ranks	6 ^s	4.08	24.50
	Positive Ranks	1 ^t	3.50	3.50
	Ties	12 ^u		
	Total	19		

Ranks

		N	Mean Rank	Sum of Ranks
T7SHAS3.B - T7SHAS3.A	Negative Ranks	6 ^v	3.50	21.00
	Positive Ranks	0 ^w	.00	.00
	Ties	13 ^x		
	Total	19		
T8SHAS3.B - T8SHAS3.A	Negative Ranks	7 ^y	4.00	28.00
	Positive Ranks	0 ^z	.00	.00
	Ties	11 ^{aa}		
	Total	18		
T9SHAS3.B - T9SHAS3.A	Negative Ranks	5 ^{ab}	3.00	15.00
	Positive Ranks	0 ^{ac}	.00	.00
	Ties	14 ^{ad}		
	Total	19		
T10SHAS3.B - T10SHAS3.A	Negative Ranks	3 ^{ae}	2.00	6.00
	Positive Ranks	0 ^{af}	.00	.00
	Ties	16 ^{ag}		
	Total	19		
T11SHAS3.B - T11SHAS3.A	Negative Ranks	2 ^{ah}	1.50	3.00
	Positive Ranks	0 ^{ai}	.00	.00
	Ties	15 ^{aj}		
	Total	17		
T12SHAS3.B - T12SHAS3.A	Negative Ranks	1 ^{ak}	1.50	1.50
	Positive Ranks	1 ^{al}	1.50	1.50
	Ties	14 ^{am}		
	Total	16		
T0SHAS3.C - T0SHAS3.B	Negative Ranks	0 ^{an}	.00	.00
	Positive Ranks	1 ^{ao}	1.00	1.00
	Ties	17 ^{ap}		
	Total	18		
T1SHAS3.C - T1SHAS3.B	Negative Ranks	0 ^{aq}	.00	.00
	Positive Ranks	0 ^{ar}	.00	.00
	Ties	17 ^{as}		
	Total	17		
T2SHAS3.C - T2SHAS3.B	Negative Ranks	0 ^{at}	.00	.00
	Positive Ranks	1 ^{au}	1.00	1.00
	Ties	16 ^{av}		
	Total	17		
T3SHAS3.C - T3SHAS3.B	Negative Ranks	0 ^{aw}	.00	.00
	Positive Ranks	4 ^{ax}	2.50	10.00

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	14 ^{ay}		
	Total	18		
T4SHAS3.C - T4SHAS3.B	Negative Ranks	0 ^{az}	.00	.00
	Positive Ranks	5 ^{ba}	3.00	15.00
	Ties	13 ^{bb}		
	Total	18		
T5SHAS3.C - T5SHAS3.B	Negative Ranks	2 ^{bc}	2.50	5.00
	Positive Ranks	3 ^{bd}	3.33	10.00
	Ties	13 ^{be}		
	Total	18		
T6SHAS3.C - T6SHAS3.B	Negative Ranks	1 ^{bf}	3.50	3.50
	Positive Ranks	8 ^{bg}	5.19	41.50
	Ties	9 ^{bh}		
	Total	18		
T7SHAS3.C - T7SHAS3.B	Negative Ranks	0 ^{bi}	.00	.00
	Positive Ranks	5 ^{bj}	3.00	15.00
	Ties	13 ^{bk}		
	Total	18		
T8SHAS3.C - T8SHAS3.B	Negative Ranks	0 ^{bl}	.00	.00
	Positive Ranks	4 ^{bm}	2.50	10.00
	Ties	13 ^{bn}		
	Total	17		
T9SHAS3.C - T9SHAS3.B	Negative Ranks	0 ^{bo}	.00	.00
	Positive Ranks	2 ^{bp}	1.50	3.00
	Ties	16 ^{bq}		
	Total	18		
T10SHAS3.C - T10SHAS3.B	Negative Ranks	0 ^{br}	.00	.00
	Positive Ranks	1 ^{bs}	1.00	1.00
	Ties	17 ^{bt}		
	Total	18		
T11SHAS3.C - T11SHAS3.B	Negative Ranks	1 ^{bu}	1.50	1.50
	Positive Ranks	1 ^{bv}	1.50	1.50
	Ties	14 ^{bw}		
	Total	16		
T12SHAS3.C - T12SHAS3.B	Negative Ranks	1 ^{bx}	2.00	2.00
	Positive Ranks	2 ^{by}	2.00	4.00
	Ties	12 ^{bz}		
	Total	15		

Ranks

		N	Mean Rank	Sum of Ranks
T0SHAS3.A - T0SHAS3.C	Negative Ranks	1 ^{ca}	1.50	1.50
	Positive Ranks	1 ^{cb}	1.50	1.50
	Ties	16 ^{cc}		
	Total	18		
T1SHAS3.A - T1SHAS3.C	Negative Ranks	1 ^{cd}	2.00	2.00
	Positive Ranks	2 ^{ce}	2.00	4.00
	Ties	13 ^{cf}		
	Total	16		
T2SHAS3.A - T2SHAS3.C	Negative Ranks	1 ^{cg}	2.50	2.50
	Positive Ranks	4 ^{ch}	3.13	12.50
	Ties	11 ^{ci}		
	Total	16		
T3SHAS3.A - T3SHAS3.C	Negative Ranks	3 ^{cj}	2.83	8.50
	Positive Ranks	2 ^{ck}	3.25	6.50
	Ties	13 ^{cl}		
	Total	18		
T4SHAS3.A - T4SHAS3.C	Negative Ranks	3 ^{cm}	2.00	6.00
	Positive Ranks	0 ^{cn}	.00	.00
	Ties	15 ^{co}		
	Total	18		
T5SHAS3.A - T5SHAS3.C	Negative Ranks	1 ^{cp}	6.00	6.00
	Positive Ranks	6 ^{cq}	3.67	22.00
	Ties	11 ^{cr}		
	Total	18		
T6SHAS3.A - T6SHAS3.C	Negative Ranks	7 ^{cs}	5.71	40.00
	Positive Ranks	3 ^{ct}	5.00	15.00
	Ties	8 ^{cu}		
	Total	18		
T7SHAS3.A - T7SHAS3.C	Negative Ranks	4 ^{cv}	4.00	16.00
	Positive Ranks	3 ^{cw}	4.00	12.00
	Ties	11 ^{cx}		
	Total	18		
T8SHAS3.A - T8SHAS3.C	Negative Ranks	1 ^{cy}	2.00	2.00
	Positive Ranks	4 ^{cz}	3.25	13.00
	Ties	13 ^{da}		
	Total	18		
T9SHAS3.A - T9SHAS3.C	Negative Ranks	0 ^{db}	.00	.00
	Positive Ranks	3 ^{dc}	2.00	6.00

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	15 ^{dd}		
	Total	18		
T10SHAS3.A - T10SHAS3.C	Negative Ranks	0 ^{de}	.00	.00
	Positive Ranks	1 ^{df}	1.00	1.00
	Ties	17 ^{dg}		
	Total	18		
T11SHAS3.A - T11SHAS3.C	Negative Ranks	1 ^{dh}	2.00	2.00
	Positive Ranks	2 ^{di}	2.00	4.00
	Ties	13 ^{dj}		
	Total	16		
T12SHAS3.A - T12SHAS3.C	Negative Ranks	2 ^{dk}	2.00	4.00
	Positive Ranks	1 ^{dl}	2.00	2.00
	Ties	13 ^{dm}		
	Total	16		

- a. T0SHAS3.B < T0SHAS3.A
- b. T0SHAS3.B > T0SHAS3.A
- c. T0SHAS3.B = T0SHAS3.A
- d. T1SHAS3.B < T1SHAS3.A
- e. T1SHAS3.B > T1SHAS3.A
- f. T1SHAS3.B = T1SHAS3.A
- g. T2SHAS3.B < T2SHAS3.A
- h. T2SHAS3.B > T2SHAS3.A
- i. T2SHAS3.B = T2SHAS3.A
- j. T3SHAS3.B < T3SHAS3.A
- k. T3SHAS3.B > T3SHAS3.A
- l. T3SHAS3.B = T3SHAS3.A
- m. T4SHAS3.B < T4SHAS3.A
- n. T4SHAS3.B > T4SHAS3.A
- o. T4SHAS3.B = T4SHAS3.A
- p. T4SHAS3.B = T4SHAS3.A

p. T5SHAS3.B < T5SHAS3.A
q. T5SHAS3.B > T5SHAS3.A
r. T5SHAS3.B = T5SHAS3.A
s. T6SHAS3.B < T6SHAS3.A
t. T6SHAS3.B > T6SHAS3.A
u. T6SHAS3.B = T6SHAS3.A
v. T7SHAS3.B < T7SHAS3.A
w. T7SHAS3.B > T7SHAS3.A
x. T7SHAS3.B = T7SHAS3.A
y. T8SHAS3.B < T8SHAS3.A
z. T8SHAS3.B > T8SHAS3.A
aa. T8SHAS3.B = T8SHAS3.A
ab. T9SHAS3.B < T9SHAS3.A
ac. T9SHAS3.B > T9SHAS3.A
ad. T9SHAS3.B = T9SHAS3.A
ae. T10SHAS3.B < T10SHAS3.A
af. T10SHAS3.B > T10SHAS3.A
ag. T10SHAS3.B = T10SHAS3.A
ah. T11SHAS3.B < T11SHAS3.A
ai. T11SHAS3.B > T11SHAS3.A
aj. T11SHAS3.B = T11SHAS3.A
ak. T12SHAS3.B < T12SHAS3.A
al. T12SHAS3.B > T12SHAS3.A
am. T12SHAS3.B = T12SHAS3.A
an. T0SHAS3.C < T0SHAS3.B
ao. T0SHAS3.C > T0SHAS3.B
ap. T0SHAS3.C = T0SHAS3.B
aq. T1SHAS3.C < T1SHAS3.B
ar. T1SHAS3.C > T1SHAS3.B
as. T1SHAS3.C = T1SHAS3.B
at. T2SHAS3.C < T2SHAS3.B
au. T2SHAS3.C > T2SHAS3.B
av. T2SHAS3.C = T2SHAS3.B
aw. T3SHAS3.C < T3SHAS3.B
ax. T3SHAS3.C > T3SHAS3.B
ay. T3SHAS3.C = T3SHAS3.B
az. T4SHAS3.C < T4SHAS3.B
ba. T4SHAS3.C > T4SHAS3.B
bb. T4SHAS3.C = T4SHAS3.B
bc. T5SHAS3.C < T5SHAS3.B
bd. T5SHAS3.C > T5SHAS3.B
be. T5SHAS3.C = T5SHAS3.B
bf. T6SHAS3.C < T6SHAS3.B
bg. T6SHAS3.C > T6SHAS3.B
bh. T6SHAS3.C = T6SHAS3.B

bh. T6SHAS3.C = T6SHAS3.B
bi. T7SHAS3.C < T7SHAS3.B
bj. T7SHAS3.C > T7SHAS3.B
bk. T7SHAS3.C = T7SHAS3.B
bl. T8SHAS3.C < T8SHAS3.B
bm. T8SHAS3.C > T8SHAS3.B
bn. T8SHAS3.C = T8SHAS3.B
bo. T9SHAS3.C < T9SHAS3.B
bp. T9SHAS3.C > T9SHAS3.B
bq. T9SHAS3.C = T9SHAS3.B
br. T10SHAS3.C < T10SHAS3.B
bs. T10SHAS3.C > T10SHAS3.B
bt. T10SHAS3.C = T10SHAS3.B
bu. T11SHAS3.C < T11SHAS3.B
bv. T11SHAS3.C > T11SHAS3.B
bw. T11SHAS3.C = T11SHAS3.B
bx. T12SHAS3.C < T12SHAS3.B
by. T12SHAS3.C > T12SHAS3.B
bz. T12SHAS3.C = T12SHAS3.B
ca. T0SHAS3.A < T0SHAS3.C
cb. T0SHAS3.A > T0SHAS3.C
cc. T0SHAS3.A = T0SHAS3.C
cd. T1SHAS3.A < T1SHAS3.C
ce. T1SHAS3.A > T1SHAS3.C
cf. T1SHAS3.A = T1SHAS3.C
cg. T2SHAS3.A < T2SHAS3.C
ch. T2SHAS3.A > T2SHAS3.C
ci. T2SHAS3.A = T2SHAS3.C
cj. T3SHAS3.A < T3SHAS3.C
ck. T3SHAS3.A > T3SHAS3.C
cl. T3SHAS3.A = T3SHAS3.C
cm. T4SHAS3.A < T4SHAS3.C
cn. T4SHAS3.A > T4SHAS3.C
co. T4SHAS3.A = T4SHAS3.C
cp. T5SHAS3.A < T5SHAS3.C
cq. T5SHAS3.A > T5SHAS3.C
cr. T5SHAS3.A = T5SHAS3.C
cs. T6SHAS3.A < T6SHAS3.C
ct. T6SHAS3.A > T6SHAS3.C
cu. T6SHAS3.A = T6SHAS3.C
cv. T7SHAS3.A < T7SHAS3.C
cw. T7SHAS3.A > T7SHAS3.C
cx. T7SHAS3.A = T7SHAS3.C
cy. T8SHAS3.A < T8SHAS3.C
-- T8SHAS3.A = T8SHAS3.C

- cz. T8SHAS3.A > T8SHAS3.C
- da. T8SHAS3.A = T8SHAS3.C
- db. T9SHAS3.A < T9SHAS3.C
- dc. T9SHAS3.A > T9SHAS3.C
- dd. T9SHAS3.A = T9SHAS3.C
- de. T10SHAS3.A < T10SHAS3.C
- df. T10SHAS3.A > T10SHAS3.C
- dg. T10SHAS3.A = T10SHAS3.C
- dh. T11SHAS3.A < T11SHAS3.C
- di. T11SHAS3.A > T11SHAS3.C
- dj. T11SHAS3.A = T11SHAS3.C
- dk. T12SHAS3.A < T12SHAS3.C
- dl. T12SHAS3.A > T12SHAS3.C
- dm. T12SHAS3.A = T12SHAS3.C

Test Statistics^a

	T0SHAS3.B - T0SHAS3.A	T1SHAS3.B - T1SHAS3.A	T2SHAS3.B - T2SHAS3.A	T3SHAS3.B - T3SHAS3.A
Z	-1.000 ^b	-.577 ^b	-1.890 ^b	-1.633 ^b
Asymp. Sig. (2-tailed)	.317	.564	.059	.102

Test Statistics^a

	T4SHAS3.B - T4SHAS3.A	T5SHAS3.B - T5SHAS3.A	T6SHAS3.B - T6SHAS3.A	T7SHAS3.B - T7SHAS3.A
Z	-1.414 ^b	-2.058 ^b	-1.897 ^b	-2.264 ^b
Asymp. Sig. (2-tailed)	.157	.040	.058	.024

Test Statistics^a

	T8SHAS3.B - T8SHAS3.A	T9SHAS3.B - T9SHAS3.A	T10SHAS3.B - T10SHAS3.A	T11SHAS3.B - T11SHAS3.A
Z	-2.428 ^b	-2.070 ^b	-1.633 ^b	-1.414 ^b
Asymp. Sig. (2-tailed)	.015	.038	.102	.157

Test Statistics^a

	T12SHAS3.B - T12SHAS3.A	T0SHAS3.C - T0SHAS3.B	T1SHAS3.C - T1SHAS3.B	T2SHAS3.C - T2SHAS3.B
Z	.000 ^c	-1.000 ^d	.000 ^c	-1.000 ^d
Asymp. Sig. (2-tailed)	1.000	.317	1.000	.317

Test Statistics^a

	T3SHAS3.C - T3SHAS3.B	T4SHAS3.C - T4SHAS3.B	T5SHAS3.C - T5SHAS3.B	T6SHAS3.C - T6SHAS3.B
Z	-1.890 ^d	-2.121 ^d	-.707 ^d	-2.332 ^d
Asymp. Sig. (2-tailed)	.059	.034	.480	.020

Test Statistics^a

	T7SHAS3.C - T7SHAS3.B	T8SHAS3.C - T8SHAS3.B	T9SHAS3.C - T9SHAS3.B	T10SHAS3.C - T10SHAS3.B
Z	-2.070 ^d	-2.000 ^d	-1.414 ^d	-1.000 ^d
Asymp. Sig. (2-tailed)	.038	.046	.157	.317

Test Statistics^a

	T11SHAS3.C - T11SHAS3.B	T12SHAS3.C - T12SHAS3.B	T0SHAS3.A - T0SHAS3.C	T1SHAS3.A - T1SHAS3.C
Z	.000 ^c	-.577 ^d	.000 ^c	-.577 ^d
Asymp. Sig. (2-tailed)	1.000	.564	1.000	.564

Test Statistics^a

	T2SHAS3.A - T2SHAS3.C	T3SHAS3.A - T3SHAS3.C	T4SHAS3.A - T4SHAS3.C	T5SHAS3.A - T5SHAS3.C
Z	-1.414 ^d	-.276 ^b	-1.633 ^b	-1.377 ^d
Asymp. Sig. (2-tailed)	.157	.783	.102	.168

Test Statistics^a

	T6SHAS3.A - T6SHAS3.C	T7SHAS3.A - T7SHAS3.C	T8SHAS3.A - T8SHAS3.C	T9SHAS3.A - T9SHAS3.C
Z	-1.387 ^b	-.378 ^b	-1.518 ^d	-1.633 ^d
Asymp. Sig. (2-tailed)	.166	.705	.129	.102

Test Statistics^a

	T10SHAS3.A - T10SHAS3.C	T11SHAS3.A - T11SHAS3.C	T12SHAS3.A - T12SHAS3.C
Z	-1.000 ^d	-.577 ^d	-.577 ^b
Asymp. Sig. (2-tailed)	.317	.564	.564

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.

c. The sum of negative ranks equals the sum of positive ranks.

d. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:35
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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.

Notes

Syntax

```
NPART TESTS
/WILCOXON=T0SHAS4.
A T1SHAS4.A T2SHAS4.A
T3SHAS4.A T4SHAS4.A
T5SHAS4.A T6SHAS4.A
T7SHAS4.A T8SHAS4.A
T9SHAS4.A T10SHAS4.A
T11SHAS4.A
T12SHAS4.A
T0SHAS4.B T1SHAS4.
B T2SHAS4.B T3SHAS4.B
T4SHAS4.B T5SHAS4.B
T6SHAS4.B T7SHAS4.B
T8SHAS4.B T9SHAS4.B
T10SHAS4.B
T11SHAS4.B
T12SHAS4.B
T0SHAS4.C T1SHAS4.
C T2SHAS4.C T3SHAS4.C
T4SHAS4.C T5SHAS4.C
T6SHAS4.C T7SHAS4.C
T8SHAS4.C T9SHAS4.C
T10SHAS4.C
T11SHAS4.C
T12SHAS4.C
WITH
T0SHAS4.B T1SHAS4.
B T2SHAS4.B T3SHAS4.B
T4SHAS4.B T5SHAS4.B
T6SHAS4.B T7SHAS4.B
T8SHAS4.B T9SHAS4.B
T10SHAS4.B
T11SHAS4.B
T12SHAS4.B
T0SHAS4.C T1SHAS4.
C T2SHAS4.C T3SHAS4.C
T4SHAS4.C T5SHAS4.C
T6SHAS4.C T7SHAS4.C
T8SHAS4.C T9SHAS4.C
T10SHAS4.C
T11SHAS4.C
T12SHAS4.C
T0SHAS4.A T1SHAS4.
A T2SHAS4.A T3SHAS4.A
T4SHAS4.A T5SHAS4.A
T6SHAS4.A T7SHAS4.A
T8SHAS4.A T9SHAS4.A
T10SHAS4.A
T11SHAS4.A
T12SHAS4.A (PAIRED)
/STATISTICS
DESCRIPTIVES
/MISSING ANALYSIS.
```

Notes

Resources	Processor Time	00:00:00.06
	Elapsed Time	00:00:00.00
	Number of Cases Allowed ^a	71493

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T0SHAS4.A	19	1.00	.000	1	1
T1SHAS4.A	16	1.00	.000	1	1
T2SHAS4.A	17	1.06	.243	1	2
T3SHAS4.A	19	1.00	.000	1	1
T4SHAS4.A	19	1.05	.229	1	2
T5SHAS4.A	19	1.37	.684	1	3
T6SHAS4.A	19	1.37	1.012	1	5
T7SHAS4.A	19	1.37	1.212	1	6
T8SHAS4.A	19	1.68	1.455	1	7
T9SHAS4.A	19	1.47	1.219	1	6
T10SHAS4.A	19	1.26	1.147	1	6
T11SHAS4.A	19	1.16	.501	1	3
T12SHAS4.A	18	1.28	.826	1	4
T0SHAS4.B	19	1.00	.000	1	1
T1SHAS4.B	18	1.00	.000	1	1
T2SHAS4.B	19	1.00	.000	1	1
T3SHAS4.B	19	1.00	.000	1	1
T4SHAS4.B	19	1.00	.000	1	1
T5SHAS4.B	19	1.11	.459	1	3
T6SHAS4.B	19	1.05	.229	1	2
T7SHAS4.B	19	1.11	.315	1	2
T8SHAS4.B	18	1.06	.236	1	2
T9SHAS4.B	19	1.00	.000	1	1
T10SHAS4.B	19	1.00	.000	1	1
T11SHAS4.B	18	1.06	.236	1	2
T12SHAS4.B	17	1.00	.000	1	1
T0SHAS4.C	18	1.06	.236	1	2
T1SHAS4.C	18	1.00	.000	1	1
T2SHAS4.C	17	1.00	.000	1	1
T3SHAS4.C	18	1.06	.236	1	2
T4SHAS4.C	18	1.17	.514	1	3
T5SHAS4.C	18	1.33	.840	1	4
T6SHAS4.C	18	1.39	.979	1	5

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T7SHAS4.C	18	1.44	.784	1	3
T8SHAS4.C	18	1.22	.428	1	2
T9SHAS4.C	18	1.11	.323	1	2
T10SHAS4.C	18	1.06	.236	1	2
T11SHAS4.C	17	1.06	.243	1	2
T12SHAS4.C	17	1.00	.000	1	1

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T0SHAS4.B - T0SHAS4.A	Negative Ranks	0 ^a	.00	.00
	Positive Ranks	0 ^b	.00	.00
	Ties	19 ^c		
	Total	19		
T1SHAS4.B - T1SHAS4.A	Negative Ranks	0 ^d	.00	.00
	Positive Ranks	0 ^e	.00	.00
	Ties	15 ^f		
	Total	15		
T2SHAS4.B - T2SHAS4.A	Negative Ranks	1 ^g	1.00	1.00
	Positive Ranks	0 ^h	.00	.00
	Ties	16 ⁱ		
	Total	17		
T3SHAS4.B - T3SHAS4.A	Negative Ranks	0 ^j	.00	.00
	Positive Ranks	0 ^k	.00	.00
	Ties	19 ^l		
	Total	19		
T4SHAS4.B - T4SHAS4.A	Negative Ranks	1 ^m	1.00	1.00
	Positive Ranks	0 ⁿ	.00	.00
	Ties	18 ^o		
	Total	19		
T5SHAS4.B - T5SHAS4.A	Negative Ranks	4 ^p	2.50	10.00
	Positive Ranks	0 ^q	.00	.00
	Ties	15 ^r		
	Total	19		
T6SHAS4.B - T6SHAS4.A	Negative Ranks	2 ^s	1.50	3.00
	Positive Ranks	0 ^t	.00	.00
	Ties	17 ^u		
	Total	19		

Ranks

		N	Mean Rank	Sum of Ranks
T7SHAS4.B - T7SHAS4.A	Negative Ranks	2 ^v	3.50	7.00
	Positive Ranks	2 ^w	1.50	3.00
	Ties	15 ^x		
	Total	19		
T8SHAS4.B - T8SHAS4.A	Negative Ranks	6 ^y	4.25	25.50
	Positive Ranks	1 ^z	2.50	2.50
	Ties	11 ^{aa}		
	Total	18		
T9SHAS4.B - T9SHAS4.A	Negative Ranks	4 ^{ab}	2.50	10.00
	Positive Ranks	0 ^{ac}	.00	.00
	Ties	15 ^{ad}		
	Total	19		
T10SHAS4.B - T10SHAS4.A	Negative Ranks	1 ^{ae}	1.00	1.00
	Positive Ranks	0 ^{af}	.00	.00
	Ties	18 ^{ag}		
	Total	19		
T11SHAS4.B - T11SHAS4.A	Negative Ranks	2 ^{ah}	2.25	4.50
	Positive Ranks	1 ^{ai}	1.50	1.50
	Ties	15 ^{aj}		
	Total	18		
T12SHAS4.B - T12SHAS4.A	Negative Ranks	2 ^{ak}	1.50	3.00
	Positive Ranks	0 ^{al}	.00	.00
	Ties	14 ^{am}		
	Total	16		
T0SHAS4.C - T0SHAS4.B	Negative Ranks	0 ^{an}	.00	.00
	Positive Ranks	1 ^{ao}	1.00	1.00
	Ties	17 ^{ap}		
	Total	18		
T1SHAS4.C - T1SHAS4.B	Negative Ranks	0 ^{aq}	.00	.00
	Positive Ranks	0 ^{ar}	.00	.00
	Ties	17 ^{as}		
	Total	17		
T2SHAS4.C - T2SHAS4.B	Negative Ranks	0 ^{at}	.00	.00
	Positive Ranks	0 ^{au}	.00	.00
	Ties	17 ^{av}		
	Total	17		
T3SHAS4.C - T3SHAS4.B	Negative Ranks	0 ^{aw}	.00	.00
	Positive Ranks	1 ^{ax}	1.00	1.00

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	17 ^{ay}		
	Total	18		
T4SHAS4.C - T4SHAS4.B	Negative Ranks	0 ^{az}	.00	.00
	Positive Ranks	2 ^{ba}	1.50	3.00
	Ties	16 ^{bb}		
	Total	18		
T5SHAS4.C - T5SHAS4.B	Negative Ranks	1 ^{bc}	1.00	1.00
	Positive Ranks	2 ^{bd}	2.50	5.00
	Ties	15 ^{be}		
	Total	18		
T6SHAS4.C - T6SHAS4.B	Negative Ranks	0 ^{bf}	.00	.00
	Positive Ranks	4 ^{bg}	2.50	10.00
	Ties	14 ^{bh}		
	Total	18		
T7SHAS4.C - T7SHAS4.B	Negative Ranks	2 ^{bi}	2.50	5.00
	Positive Ranks	5 ^{bj}	4.60	23.00
	Ties	11 ^{bk}		
	Total	18		
T8SHAS4.C - T8SHAS4.B	Negative Ranks	1 ^{bl}	3.00	3.00
	Positive Ranks	4 ^{bm}	3.00	12.00
	Ties	12 ^{bn}		
	Total	17		
T9SHAS4.C - T9SHAS4.B	Negative Ranks	0 ^{bo}	.00	.00
	Positive Ranks	2 ^{bp}	1.50	3.00
	Ties	16 ^{bq}		
	Total	18		
T10SHAS4.C - T10SHAS4. B	Negative Ranks	0 ^{br}	.00	.00
	Positive Ranks	1 ^{bs}	1.00	1.00
	Ties	17 ^{bt}		
	Total	18		
T11SHAS4.C - T11SHAS4. B	Negative Ranks	0 ^{bu}	.00	.00
	Positive Ranks	0 ^{bv}	.00	.00
	Ties	16 ^{bw}		
	Total	16		
T12SHAS4.C - T12SHAS4. B	Negative Ranks	0 ^{bx}	.00	.00
	Positive Ranks	0 ^{by}	.00	.00
	Ties	15 ^{bz}		
	Total	15		

Ranks

		N	Mean Rank	Sum of Ranks
T0SHAS4.A - T0SHAS4.C	Negative Ranks	1 ^{ca}	1.00	1.00
	Positive Ranks	0 ^{cb}	.00	.00
	Ties	17 ^{cc}		
	Total	18		
T1SHAS4.A - T1SHAS4.C	Negative Ranks	0 ^{cd}	.00	.00
	Positive Ranks	0 ^{ce}	.00	.00
	Ties	16 ^{cf}		
	Total	16		
T2SHAS4.A - T2SHAS4.C	Negative Ranks	0 ^{cg}	.00	.00
	Positive Ranks	1 ^{ch}	1.00	1.00
	Ties	15 ^{ci}		
	Total	16		
T3SHAS4.A - T3SHAS4.C	Negative Ranks	1 ^{cj}	1.00	1.00
	Positive Ranks	0 ^{ck}	.00	.00
	Ties	17 ^{cl}		
	Total	18		
T4SHAS4.A - T4SHAS4.C	Negative Ranks	2 ^{cm}	1.50	3.00
	Positive Ranks	0 ^{cn}	.00	.00
	Ties	16 ^{co}		
	Total	18		
T5SHAS4.A - T5SHAS4.C	Negative Ranks	2 ^{cp}	3.75	7.50
	Positive Ranks	3 ^{cq}	2.50	7.50
	Ties	13 ^{cr}		
	Total	18		
T6SHAS4.A - T6SHAS4.C	Negative Ranks	4 ^{cs}	2.75	11.00
	Positive Ranks	1 ^{ct}	4.00	4.00
	Ties	13 ^{cu}		
	Total	18		
T7SHAS4.A - T7SHAS4.C	Negative Ranks	4 ^{cv}	3.38	13.50
	Positive Ranks	1 ^{cw}	1.50	1.50
	Ties	13 ^{cx}		
	Total	18		
T8SHAS4.A - T8SHAS4.C	Negative Ranks	1 ^{cy}	2.00	2.00
	Positive Ranks	3 ^{cz}	2.67	8.00
	Ties	14 ^{da}		
	Total	18		
T9SHAS4.A - T9SHAS4.C	Negative Ranks	1 ^{db}	1.50	1.50
	Positive Ranks	2 ^{dc}	2.25	4.50

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	15 ^{dd}		
	Total	18		
T10SHAS4.A - T10SHAS4.C	Negative Ranks	1 ^{de}	1.00	1.00
	Positive Ranks	0 ^{df}	.00	.00
	Ties	17 ^{dg}		
	Total	18		
T11SHAS4.A - T11SHAS4.C	Negative Ranks	1 ^{dh}	1.50	1.50
	Positive Ranks	1 ^{di}	1.50	1.50
	Ties	15 ^{dj}		
	Total	17		
T12SHAS4.A - T12SHAS4.C	Negative Ranks	0 ^{dk}	.00	.00
	Positive Ranks	1 ^{dl}	1.00	1.00
	Ties	15 ^{dm}		
	Total	16		

- a. T0SHAS4.B < T0SHAS4.A
- b. T0SHAS4.B > T0SHAS4.A
- c. T0SHAS4.B = T0SHAS4.A
- d. T1SHAS4.B < T1SHAS4.A
- e. T1SHAS4.B > T1SHAS4.A
- f. T1SHAS4.B = T1SHAS4.A
- g. T2SHAS4.B < T2SHAS4.A
- h. T2SHAS4.B > T2SHAS4.A
- i. T2SHAS4.B = T2SHAS4.A
- j. T3SHAS4.B < T3SHAS4.A
- k. T3SHAS4.B > T3SHAS4.A
- l. T3SHAS4.B = T3SHAS4.A
- m. T4SHAS4.B < T4SHAS4.A
- n. T4SHAS4.B > T4SHAS4.A
- o. T4SHAS4.B = T4SHAS4.A
- p. T4SHAS4.B = T4SHAS4.A

p. T5SHAS4.B < T5SHAS4.A
q. T5SHAS4.B > T5SHAS4.A
r. T5SHAS4.B = T5SHAS4.A
s. T6SHAS4.B < T6SHAS4.A
t. T6SHAS4.B > T6SHAS4.A
u. T6SHAS4.B = T6SHAS4.A
v. T7SHAS4.B < T7SHAS4.A
w. T7SHAS4.B > T7SHAS4.A
x. T7SHAS4.B = T7SHAS4.A
y. T8SHAS4.B < T8SHAS4.A
z. T8SHAS4.B > T8SHAS4.A
aa. T8SHAS4.B = T8SHAS4.A
ab. T9SHAS4.B < T9SHAS4.A
ac. T9SHAS4.B > T9SHAS4.A
ad. T9SHAS4.B = T9SHAS4.A
ae. T10SHAS4.B < T10SHAS4.A
af. T10SHAS4.B > T10SHAS4.A
ag. T10SHAS4.B = T10SHAS4.A
ah. T11SHAS4.B < T11SHAS4.A
ai. T11SHAS4.B > T11SHAS4.A
aj. T11SHAS4.B = T11SHAS4.A
ak. T12SHAS4.B < T12SHAS4.A
al. T12SHAS4.B > T12SHAS4.A
am. T12SHAS4.B = T12SHAS4.A
an. T0SHAS4.C < T0SHAS4.B
ao. T0SHAS4.C > T0SHAS4.B
ap. T0SHAS4.C = T0SHAS4.B
aq. T1SHAS4.C < T1SHAS4.B
ar. T1SHAS4.C > T1SHAS4.B
as. T1SHAS4.C = T1SHAS4.B
at. T2SHAS4.C < T2SHAS4.B
au. T2SHAS4.C > T2SHAS4.B
av. T2SHAS4.C = T2SHAS4.B
aw. T3SHAS4.C < T3SHAS4.B
ax. T3SHAS4.C > T3SHAS4.B
ay. T3SHAS4.C = T3SHAS4.B
az. T4SHAS4.C < T4SHAS4.B
ba. T4SHAS4.C > T4SHAS4.B
bb. T4SHAS4.C = T4SHAS4.B
bc. T5SHAS4.C < T5SHAS4.B
bd. T5SHAS4.C > T5SHAS4.B
be. T5SHAS4.C = T5SHAS4.B
bf. T6SHAS4.C < T6SHAS4.B
bg. T6SHAS4.C > T6SHAS4.B
bh. T6SHAS4.C = T6SHAS4.B

bh. T6SHAS4.C = T6SHAS4.B
bi. T7SHAS4.C < T7SHAS4.B
bj. T7SHAS4.C > T7SHAS4.B
bk. T7SHAS4.C = T7SHAS4.B
bl. T8SHAS4.C < T8SHAS4.B
bm. T8SHAS4.C > T8SHAS4.B
bn. T8SHAS4.C = T8SHAS4.B
bo. T9SHAS4.C < T9SHAS4.B
bp. T9SHAS4.C > T9SHAS4.B
bq. T9SHAS4.C = T9SHAS4.B
br. T10SHAS4.C < T10SHAS4.B
bs. T10SHAS4.C > T10SHAS4.B
bt. T10SHAS4.C = T10SHAS4.B
bu. T11SHAS4.C < T11SHAS4.B
bv. T11SHAS4.C > T11SHAS4.B
bw. T11SHAS4.C = T11SHAS4.B
bx. T12SHAS4.C < T12SHAS4.B
by. T12SHAS4.C > T12SHAS4.B
bz. T12SHAS4.C = T12SHAS4.B
ca. T0SHAS4.A < T0SHAS4.C
cb. T0SHAS4.A > T0SHAS4.C
cc. T0SHAS4.A = T0SHAS4.C
cd. T1SHAS4.A < T1SHAS4.C
ce. T1SHAS4.A > T1SHAS4.C
cf. T1SHAS4.A = T1SHAS4.C
cg. T2SHAS4.A < T2SHAS4.C
ch. T2SHAS4.A > T2SHAS4.C
ci. T2SHAS4.A = T2SHAS4.C
cj. T3SHAS4.A < T3SHAS4.C
ck. T3SHAS4.A > T3SHAS4.C
cl. T3SHAS4.A = T3SHAS4.C
cm. T4SHAS4.A < T4SHAS4.C
cn. T4SHAS4.A > T4SHAS4.C
co. T4SHAS4.A = T4SHAS4.C
cp. T5SHAS4.A < T5SHAS4.C
cq. T5SHAS4.A > T5SHAS4.C
cr. T5SHAS4.A = T5SHAS4.C
cs. T6SHAS4.A < T6SHAS4.C
ct. T6SHAS4.A > T6SHAS4.C
cu. T6SHAS4.A = T6SHAS4.C
cv. T7SHAS4.A < T7SHAS4.C
cw. T7SHAS4.A > T7SHAS4.C
cx. T7SHAS4.A = T7SHAS4.C
cy. T8SHAS4.A < T8SHAS4.C
-- T8SHAS4.A = T8SHAS4.C

- cz. T8SHAS4.A > T8SHAS4.C
- da. T8SHAS4.A = T8SHAS4.C
- db. T9SHAS4.A < T9SHAS4.C
- dc. T9SHAS4.A > T9SHAS4.C
- dd. T9SHAS4.A = T9SHAS4.C
- de. T10SHAS4.A < T10SHAS4.C
- df. T10SHAS4.A > T10SHAS4.C
- dg. T10SHAS4.A = T10SHAS4.C
- dh. T11SHAS4.A < T11SHAS4.C
- di. T11SHAS4.A > T11SHAS4.C
- dj. T11SHAS4.A = T11SHAS4.C
- dk. T12SHAS4.A < T12SHAS4.C
- dl. T12SHAS4.A > T12SHAS4.C
- dm. T12SHAS4.A = T12SHAS4.C

Test Statistics^a

	T0SHAS4.B - T0SHAS4.A	T1SHAS4.B - T1SHAS4.A	T2SHAS4.B - T2SHAS4.A	T3SHAS4.B - T3SHAS4.A
Z	.000 ^b	.000 ^b	-1.000 ^c	.000 ^b
Asymp. Sig. (2-tailed)	1.000	1.000	.317	1.000

Test Statistics^a

	T4SHAS4.B - T4SHAS4.A	T5SHAS4.B - T5SHAS4.A	T6SHAS4.B - T6SHAS4.A	T7SHAS4.B - T7SHAS4.A
Z	-1.000 ^c	-1.890 ^c	-1.342 ^c	-.736 ^c
Asymp. Sig. (2-tailed)	.317	.059	.180	.461

Test Statistics^a

	T8SHAS4.B - T8SHAS4.A	T9SHAS4.B - T9SHAS4.A	T10SHAS4.B - T10SHAS4.A	T11SHAS4.B - T11SHAS4.A
Z	-1.983 ^c	-1.841 ^c	-1.000 ^c	-.816 ^c
Asymp. Sig. (2-tailed)	.047	.066	.317	.414

Test Statistics^a

	T12SHAS4.B - T12SHAS4.A	T0SHAS4.C - T0SHAS4.B	T1SHAS4.C - T1SHAS4.B	T2SHAS4.C - T2SHAS4.B
Z	-1.342 ^c	-1.000 ^d	.000 ^b	.000 ^b
Asymp. Sig. (2-tailed)	.180	.317	1.000	1.000

Test Statistics^a

	T3SHAS4.C - T3SHAS4.B	T4SHAS4.C - T4SHAS4.B	T5SHAS4.C - T5SHAS4.B	T6SHAS4.C - T6SHAS4.B
Z	-1.000 ^d	-1.342 ^d	-1.069 ^d	-1.890 ^d
Asymp. Sig. (2-tailed)	.317	.180	.285	.059

Test Statistics^a

	T7SHAS4.C - T7SHAS4.B	T8SHAS4.C - T8SHAS4.B	T9SHAS4.C - T9SHAS4.B	T10SHAS4.C - T10SHAS4.B
Z	-1.561 ^d	-1.342 ^d	-1.414 ^d	-1.000 ^d
Asymp. Sig. (2-tailed)	.119	.180	.157	.317

Test Statistics^a

	T11SHAS4.C - T11SHAS4.B	T12SHAS4.C - T12SHAS4.B	T0SHAS4.A - T0SHAS4.C	T1SHAS4.A - T1SHAS4.C
Z	.000 ^b	.000 ^b	-1.000 ^c	.000 ^b
Asymp. Sig. (2-tailed)	1.000	1.000	.317	1.000

Test Statistics^a

	T2SHAS4.A - T2SHAS4.C	T3SHAS4.A - T3SHAS4.C	T4SHAS4.A - T4SHAS4.C	T5SHAS4.A - T5SHAS4.C
Z	-1.000 ^d	-1.000 ^c	-1.414 ^c	.000 ^b
Asymp. Sig. (2-tailed)	.317	.317	.157	1.000

Test Statistics^a

	T6SHAS4.A - T6SHAS4.C	T7SHAS4.A - T7SHAS4.C	T8SHAS4.A - T8SHAS4.C	T9SHAS4.A - T9SHAS4.C
Z	-.962 ^c	-1.656 ^c	-1.134 ^d	-.816 ^d
Asymp. Sig. (2-tailed)	.336	.098	.257	.414

Test Statistics^a

	T10SHAS4.A - T10SHAS4.C	T11SHAS4.A - T11SHAS4.C	T12SHAS4.A - T12SHAS4.C
Z	-1.000 ^c	.000 ^b	-1.000 ^d
Asymp. Sig. (2-tailed)	.317	1.000	.317

a. Wilcoxon Signed Ranks Test

b. The sum of negative ranks equals the sum of positive ranks.

c. Based on positive ranks.

d. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:35
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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.

Notes

Syntax

```
NPART TESTS
/WILCOXON=T0SHAS5.
A T1SHAS5.A T2SHAS5.A
T3SHAS5.A T4SHAS5.A
T5SHAS5.A T6SHAS5.A
T7SHAS5.A T8SHAS5.A
T9SHAS5.A T10SHAS5.A
T11SHAS5.A
T12SHAS5.A
T0SHAS5.B T1SHAS5.
B T2SHAS5.B T3SHAS5.B
T4SHAS5.B T5SHAS5.B
T6SHAS5.B T7SHAS5.B
T8SHAS5.B T9SHAS5.B
T10SHAS5.B
T11SHAS5.B
T12SHAS5.B
T0SHAS5.C T1SHAS5.
C T2SHAS5.C T3SHAS5.C
T4SHAS5.C T5SHAS5.C
T6SHAS5.C T7SHAS5.C
T8SHAS5.C T9SHAS5.C
T10SHAS5.C
T11SHAS5.C
T12SHAS5.C
WITH
T0SHAS5.B T1SHAS5.
B T2SHAS5.B T3SHAS5.B
T4SHAS5.B T5SHAS5.B
T6SHAS5.B T7SHAS5.B
T8SHAS5.B T9SHAS5.B
T10SHAS5.B
T11SHAS5.B
T12SHAS5.B
T0SHAS5.C T1SHAS5.
C T2SHAS5.C T3SHAS5.C
T4SHAS5.C T5SHAS5.C
T6SHAS5.C T7SHAS5.C
T8SHAS5.C T9SHAS5.C
T10SHAS5.C
T11SHAS5.C
T12SHAS5.C
T0SHAS5.A T1SHAS5.
A T2SHAS5.A T3SHAS5.A
T4SHAS5.A T5SHAS5.A
T6SHAS5.A T7SHAS5.A
T8SHAS5.A T9SHAS5.A
T10SHAS5.A
T11SHAS5.A
T12SHAS5.A (PAIRED)
/STATISTICS
DESCRIPTIVES
/MISSING ANALYSIS.
```

Notes

Resources	Processor Time	00:00:00.06
	Elapsed Time	00:00:00.00
	Number of Cases Allowed ^a	71493

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T0SHAS5.A	19	1.00	.000	1	1
T1SHAS5.A	16	1.13	.500	1	3
T2SHAS5.A	17	1.06	.243	1	2
T3SHAS5.A	19	1.05	.229	1	2
T4SHAS5.A	19	1.16	.501	1	3
T5SHAS5.A	19	1.37	.684	1	3
T6SHAS5.A	19	1.26	.733	1	4
T7SHAS5.A	19	1.47	.905	1	4
T8SHAS5.A	19	1.21	.535	1	3
T9SHAS5.A	19	1.16	.501	1	3
T10SHAS5.A	19	1.16	.501	1	3
T11SHAS5.A	19	1.05	.229	1	2
T12SHAS5.A	18	1.06	.236	1	2
T0SHAS5.B	19	1.00	.000	1	1
T1SHAS5.B	18	1.00	.000	1	1
T2SHAS5.B	19	1.00	.000	1	1
T3SHAS5.B	19	1.00	.000	1	1
T4SHAS5.B	19	1.05	.229	1	2
T5SHAS5.B	19	1.00	.000	1	1
T6SHAS5.B	19	1.00	.000	1	1
T7SHAS5.B	19	1.00	.000	1	1
T8SHAS5.B	18	1.00	.000	1	1
T9SHAS5.B	19	1.00	.000	1	1
T10SHAS5.B	19	1.00	.000	1	1
T11SHAS5.B	18	1.00	.000	1	1
T12SHAS5.B	17	1.00	.000	1	1
T0SHAS5.C	18	1.00	.000	1	1
T1SHAS5.C	18	1.00	.000	1	1
T2SHAS5.C	17	1.00	.000	1	1
T3SHAS5.C	18	1.11	.323	1	2
T4SHAS5.C	18	1.11	.323	1	2
T5SHAS5.C	18	1.28	.461	1	2
T6SHAS5.C	18	1.11	.323	1	2

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T7SHAS5.C	18	1.11	.323	1	2
T8SHAS5.C	18	1.00	.000	1	1
T9SHAS5.C	18	1.00	.000	1	1
T10SHAS5.C	18	1.00	.000	1	1
T11SHAS5.C	17	1.00	.000	1	1
T12SHAS5.C	17	1.00	.000	1	1

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T0SHAS5.B - T0SHAS5.A	Negative Ranks	0 ^a	.00	.00
	Positive Ranks	0 ^b	.00	.00
	Ties	19 ^c		
	Total	19		
T1SHAS5.B - T1SHAS5.A	Negative Ranks	1 ^d	1.00	1.00
	Positive Ranks	0 ^e	.00	.00
	Ties	14 ^f		
	Total	15		
T2SHAS5.B - T2SHAS5.A	Negative Ranks	1 ^g	1.00	1.00
	Positive Ranks	0 ^h	.00	.00
	Ties	16 ⁱ		
	Total	17		
T3SHAS5.B - T3SHAS5.A	Negative Ranks	1 ^j	1.00	1.00
	Positive Ranks	0 ^k	.00	.00
	Ties	18 ^l		
	Total	19		
T4SHAS5.B - T4SHAS5.A	Negative Ranks	2 ^m	2.25	4.50
	Positive Ranks	1 ⁿ	1.50	1.50
	Ties	16 ^o		
	Total	19		
T5SHAS5.B - T5SHAS5.A	Negative Ranks	5 ^p	3.00	15.00
	Positive Ranks	0 ^q	.00	.00
	Ties	14 ^r		
	Total	19		
T6SHAS5.B - T6SHAS5.A	Negative Ranks	3 ^s	2.00	6.00
	Positive Ranks	0 ^t	.00	.00
	Ties	16 ^u		
	Total	19		

Ranks

		N	Mean Rank	Sum of Ranks
T7SHAS5.B - T7SHAS5.A	Negative Ranks	5 ^v	3.00	15.00
	Positive Ranks	0 ^w	.00	.00
	Ties	14 ^x		
	Total	19		
T8SHAS5.B - T8SHAS5.A	Negative Ranks	3 ^y	2.00	6.00
	Positive Ranks	0 ^z	.00	.00
	Ties	15 ^{aa}		
	Total	18		
T9SHAS5.B - T9SHAS5.A	Negative Ranks	2 ^{ab}	1.50	3.00
	Positive Ranks	0 ^{ac}	.00	.00
	Ties	17 ^{ad}		
	Total	19		
T10SHAS5.B - T10SHAS5.A	Negative Ranks	2 ^{ae}	1.50	3.00
	Positive Ranks	0 ^{af}	.00	.00
	Ties	17 ^{ag}		
	Total	19		
T11SHAS5.B - T11SHAS5.A	Negative Ranks	1 ^{ah}	1.00	1.00
	Positive Ranks	0 ^{ai}	.00	.00
	Ties	17 ^{aj}		
	Total	18		
T12SHAS5.B - T12SHAS5.A	Negative Ranks	1 ^{ak}	1.00	1.00
	Positive Ranks	0 ^{al}	.00	.00
	Ties	15 ^{am}		
	Total	16		
T0SHAS5.C - T0SHAS5.B	Negative Ranks	0 ^{an}	.00	.00
	Positive Ranks	0 ^{ao}	.00	.00
	Ties	18 ^{ap}		
	Total	18		
T1SHAS5.C - T1SHAS5.B	Negative Ranks	0 ^{aq}	.00	.00
	Positive Ranks	0 ^{ar}	.00	.00
	Ties	17 ^{as}		
	Total	17		
T2SHAS5.C - T2SHAS5.B	Negative Ranks	0 ^{at}	.00	.00
	Positive Ranks	0 ^{au}	.00	.00
	Ties	17 ^{av}		
	Total	17		
T3SHAS5.C - T3SHAS5.B	Negative Ranks	0 ^{aw}	.00	.00
	Positive Ranks	2 ^{ax}	1.50	3.00

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	16 ^{ay}		
	Total	18		
T4SHAS5.C - T4SHAS5.B	Negative Ranks	1 ^{az}	2.00	2.00
	Positive Ranks	2 ^{ba}	2.00	4.00
	Ties	15 ^{bb}		
	Total	18		
T5SHAS5.C - T5SHAS5.B	Negative Ranks	0 ^{bc}	.00	.00
	Positive Ranks	5 ^{bd}	3.00	15.00
	Ties	13 ^{be}		
	Total	18		
T6SHAS5.C - T6SHAS5.B	Negative Ranks	0 ^{bf}	.00	.00
	Positive Ranks	2 ^{bg}	1.50	3.00
	Ties	16 ^{bh}		
	Total	18		
T7SHAS5.C - T7SHAS5.B	Negative Ranks	0 ^{bi}	.00	.00
	Positive Ranks	2 ^{bj}	1.50	3.00
	Ties	16 ^{bk}		
	Total	18		
T8SHAS5.C - T8SHAS5.B	Negative Ranks	0 ^{bl}	.00	.00
	Positive Ranks	0 ^{bm}	.00	.00
	Ties	17 ^{bn}		
	Total	17		
T9SHAS5.C - T9SHAS5.B	Negative Ranks	0 ^{bo}	.00	.00
	Positive Ranks	0 ^{bp}	.00	.00
	Ties	18 ^{bq}		
	Total	18		
T10SHAS5.C - T10SHAS5.B	Negative Ranks	0 ^{br}	.00	.00
	Positive Ranks	0 ^{bs}	.00	.00
	Ties	18 ^{bt}		
	Total	18		
T11SHAS5.C - T11SHAS5.B	Negative Ranks	0 ^{bu}	.00	.00
	Positive Ranks	0 ^{bv}	.00	.00
	Ties	16 ^{bw}		
	Total	16		
T12SHAS5.C - T12SHAS5.B	Negative Ranks	0 ^{bx}	.00	.00
	Positive Ranks	0 ^{by}	.00	.00
	Ties	15 ^{bz}		
	Total	15		

Ranks

		N	Mean Rank	Sum of Ranks
T0SHAS5.A - T0SHAS5.C	Negative Ranks	0 ^{ca}	.00	.00
	Positive Ranks	0 ^{cb}	.00	.00
	Ties	18 ^{cc}		
	Total	18		
T1SHAS5.A - T1SHAS5.C	Negative Ranks	0 ^{cd}	.00	.00
	Positive Ranks	1 ^{ce}	1.00	1.00
	Ties	15 ^{cf}		
	Total	16		
T2SHAS5.A - T2SHAS5.C	Negative Ranks	0 ^{cg}	.00	.00
	Positive Ranks	1 ^{ch}	1.00	1.00
	Ties	15 ^{ci}		
	Total	16		
T3SHAS5.A - T3SHAS5.C	Negative Ranks	2 ^{cj}	2.00	4.00
	Positive Ranks	1 ^{ck}	2.00	2.00
	Ties	15 ^{cl}		
	Total	18		
T4SHAS5.A - T4SHAS5.C	Negative Ranks	2 ^{cm}	2.00	4.00
	Positive Ranks	2 ^{cn}	3.00	6.00
	Ties	14 ^{co}		
	Total	18		
T5SHAS5.A - T5SHAS5.C	Negative Ranks	2 ^{cp}	2.00	4.00
	Positive Ranks	2 ^{cq}	3.00	6.00
	Ties	14 ^{cr}		
	Total	18		
T6SHAS5.A - T6SHAS5.C	Negative Ranks	2 ^{cs}	2.50	5.00
	Positive Ranks	2 ^{ct}	2.50	5.00
	Ties	14 ^{cu}		
	Total	18		
T7SHAS5.A - T7SHAS5.C	Negative Ranks	1 ^{cv}	1.50	1.50
	Positive Ranks	3 ^{cw}	2.83	8.50
	Ties	14 ^{cx}		
	Total	18		
T8SHAS5.A - T8SHAS5.C	Negative Ranks	0 ^{cy}	.00	.00
	Positive Ranks	2 ^{cz}	1.50	3.00
	Ties	16 ^{da}		
	Total	18		
T9SHAS5.A - T9SHAS5.C	Negative Ranks	0 ^{db}	.00	.00
	Positive Ranks	1 ^{dc}	1.00	1.00

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	17 ^{dd}		
	Total	18		
T10SHAS5.A - T10SHAS5.C	Negative Ranks	0 ^{de}	.00	.00
	Positive Ranks	1 ^{df}	1.00	1.00
	Ties	17 ^{dg}		
	Total	18		
T11SHAS5.A - T11SHAS5.C	Negative Ranks	0 ^{dh}	.00	.00
	Positive Ranks	0 ^{di}	.00	.00
	Ties	17 ^{dj}		
	Total	17		
T12SHAS5.A - T12SHAS5.C	Negative Ranks	0 ^{dk}	.00	.00
	Positive Ranks	0 ^{dl}	.00	.00
	Ties	16 ^{dm}		
	Total	16		

- a. T0SHAS5.B < T0SHAS5.A
- b. T0SHAS5.B > T0SHAS5.A
- c. T0SHAS5.B = T0SHAS5.A
- d. T1SHAS5.B < T1SHAS5.A
- e. T1SHAS5.B > T1SHAS5.A
- f. T1SHAS5.B = T1SHAS5.A
- g. T2SHAS5.B < T2SHAS5.A
- h. T2SHAS5.B > T2SHAS5.A
- i. T2SHAS5.B = T2SHAS5.A
- j. T3SHAS5.B < T3SHAS5.A
- k. T3SHAS5.B > T3SHAS5.A
- l. T3SHAS5.B = T3SHAS5.A
- m. T4SHAS5.B < T4SHAS5.A
- n. T4SHAS5.B > T4SHAS5.A
- o. T4SHAS5.B = T4SHAS5.A
- p. T5SHAS5.B < T5SHAS5.A

p. T5SHAS5.B < T5SHAS5.A
q. T5SHAS5.B > T5SHAS5.A
r. T5SHAS5.B = T5SHAS5.A
s. T6SHAS5.B < T6SHAS5.A
t. T6SHAS5.B > T6SHAS5.A
u. T6SHAS5.B = T6SHAS5.A
v. T7SHAS5.B < T7SHAS5.A
w. T7SHAS5.B > T7SHAS5.A
x. T7SHAS5.B = T7SHAS5.A
y. T8SHAS5.B < T8SHAS5.A
z. T8SHAS5.B > T8SHAS5.A
aa. T8SHAS5.B = T8SHAS5.A
ab. T9SHAS5.B < T9SHAS5.A
ac. T9SHAS5.B > T9SHAS5.A
ad. T9SHAS5.B = T9SHAS5.A
ae. T10SHAS5.B < T10SHAS5.A
af. T10SHAS5.B > T10SHAS5.A
ag. T10SHAS5.B = T10SHAS5.A
ah. T11SHAS5.B < T11SHAS5.A
ai. T11SHAS5.B > T11SHAS5.A
aj. T11SHAS5.B = T11SHAS5.A
ak. T12SHAS5.B < T12SHAS5.A
al. T12SHAS5.B > T12SHAS5.A
am. T12SHAS5.B = T12SHAS5.A
an. T0SHAS5.C < T0SHAS5.B
ao. T0SHAS5.C > T0SHAS5.B
ap. T0SHAS5.C = T0SHAS5.B
aq. T1SHAS5.C < T1SHAS5.B
ar. T1SHAS5.C > T1SHAS5.B
as. T1SHAS5.C = T1SHAS5.B
at. T2SHAS5.C < T2SHAS5.B
au. T2SHAS5.C > T2SHAS5.B
av. T2SHAS5.C = T2SHAS5.B
aw. T3SHAS5.C < T3SHAS5.B
ax. T3SHAS5.C > T3SHAS5.B
ay. T3SHAS5.C = T3SHAS5.B
az. T4SHAS5.C < T4SHAS5.B
ba. T4SHAS5.C > T4SHAS5.B
bb. T4SHAS5.C = T4SHAS5.B
bc. T5SHAS5.C < T5SHAS5.B
bd. T5SHAS5.C > T5SHAS5.B
be. T5SHAS5.C = T5SHAS5.B
bf. T6SHAS5.C < T6SHAS5.B
bg. T6SHAS5.C > T6SHAS5.B
bh. T6SHAS5.C = T6SHAS5.B

bh. T6SHAS5.C = T6SHAS5.B
bi. T7SHAS5.C < T7SHAS5.B
bj. T7SHAS5.C > T7SHAS5.B
bk. T7SHAS5.C = T7SHAS5.B
bl. T8SHAS5.C < T8SHAS5.B
bm. T8SHAS5.C > T8SHAS5.B
bn. T8SHAS5.C = T8SHAS5.B
bo. T9SHAS5.C < T9SHAS5.B
bp. T9SHAS5.C > T9SHAS5.B
bq. T9SHAS5.C = T9SHAS5.B
br. T10SHAS5.C < T10SHAS5.B
bs. T10SHAS5.C > T10SHAS5.B
bt. T10SHAS5.C = T10SHAS5.B
bu. T11SHAS5.C < T11SHAS5.B
bv. T11SHAS5.C > T11SHAS5.B
bw. T11SHAS5.C = T11SHAS5.B
bx. T12SHAS5.C < T12SHAS5.B
by. T12SHAS5.C > T12SHAS5.B
bz. T12SHAS5.C = T12SHAS5.B
ca. T0SHAS5.A < T0SHAS5.C
cb. T0SHAS5.A > T0SHAS5.C
cc. T0SHAS5.A = T0SHAS5.C
cd. T1SHAS5.A < T1SHAS5.C
ce. T1SHAS5.A > T1SHAS5.C
cf. T1SHAS5.A = T1SHAS5.C
cg. T2SHAS5.A < T2SHAS5.C
ch. T2SHAS5.A > T2SHAS5.C
ci. T2SHAS5.A = T2SHAS5.C
cj. T3SHAS5.A < T3SHAS5.C
ck. T3SHAS5.A > T3SHAS5.C
cl. T3SHAS5.A = T3SHAS5.C
cm. T4SHAS5.A < T4SHAS5.C
cn. T4SHAS5.A > T4SHAS5.C
co. T4SHAS5.A = T4SHAS5.C
cp. T5SHAS5.A < T5SHAS5.C
cq. T5SHAS5.A > T5SHAS5.C
cr. T5SHAS5.A = T5SHAS5.C
cs. T6SHAS5.A < T6SHAS5.C
ct. T6SHAS5.A > T6SHAS5.C
cu. T6SHAS5.A = T6SHAS5.C
cv. T7SHAS5.A < T7SHAS5.C
cw. T7SHAS5.A > T7SHAS5.C
cx. T7SHAS5.A = T7SHAS5.C
cy. T8SHAS5.A < T8SHAS5.C
-- T8SHAS5.A = T8SHAS5.C

- cz. T8SHAS5.A > T8SHAS5.C
- da. T8SHAS5.A = T8SHAS5.C
- db. T9SHAS5.A < T9SHAS5.C
- dc. T9SHAS5.A > T9SHAS5.C
- dd. T9SHAS5.A = T9SHAS5.C
- de. T10SHAS5.A < T10SHAS5.C
- df. T10SHAS5.A > T10SHAS5.C
- dg. T10SHAS5.A = T10SHAS5.C
- dh. T11SHAS5.A < T11SHAS5.C
- di. T11SHAS5.A > T11SHAS5.C
- dj. T11SHAS5.A = T11SHAS5.C
- dk. T12SHAS5.A < T12SHAS5.C
- dl. T12SHAS5.A > T12SHAS5.C
- dm. T12SHAS5.A = T12SHAS5.C

Test Statistics^a

	T0SHAS5.B - T0SHAS5.A	T1SHAS5.B - T1SHAS5.A	T2SHAS5.B - T2SHAS5.A	T3SHAS5.B - T3SHAS5.A
Z	.000 ^b	-1.000 ^c	-1.000 ^c	-1.000 ^c
Asymp. Sig. (2-tailed)	1.000	.317	.317	.317

Test Statistics^a

	T4SHAS5.B - T4SHAS5.A	T5SHAS5.B - T5SHAS5.A	T6SHAS5.B - T6SHAS5.A	T7SHAS5.B - T7SHAS5.A
Z	-.816 ^c	-2.070 ^c	-1.633 ^c	-2.041 ^c
Asymp. Sig. (2-tailed)	.414	.038	.102	.041

Test Statistics^a

	T8SHAS5.B - T8SHAS5.A	T9SHAS5.B - T9SHAS5.A	T10SHAS5.B - T10SHAS5.A	T11SHAS5.B - T11SHAS5.A
Z	-1.633 ^c	-1.342 ^c	-1.342 ^c	-1.000 ^c
Asymp. Sig. (2-tailed)	.102	.180	.180	.317

Test Statistics^a

	T12SHAS5.B - T12SHAS5.A	T0SHAS5.C - T0SHAS5.B	T1SHAS5.C - T1SHAS5.B	T2SHAS5.C - T2SHAS5.B
Z	-1.000 ^c	.000 ^b	.000 ^b	.000 ^b
Asymp. Sig. (2-tailed)	.317	1.000	1.000	1.000

Test Statistics^a

	T3SHAS5.C - T3SHAS5.B	T4SHAS5.C - T4SHAS5.B	T5SHAS5.C - T5SHAS5.B	T6SHAS5.C - T6SHAS5.B
Z	-1.414 ^d	-.577 ^d	-2.236 ^d	-1.414 ^d
Asymp. Sig. (2-tailed)	.157	.564	.025	.157

Test Statistics ^a				
	T7SHAS5.C - T7SHAS5.B	T8SHAS5.C - T8SHAS5.B	T9SHAS5.C - T9SHAS5.B	T10SHAS5.C - T10SHAS5.B
Z	-1.414 ^d	.000 ^b	.000 ^b	.000 ^b
Asymp. Sig. (2-tailed)	.157	1.000	1.000	1.000

Test Statistics ^a				
	T11SHAS5.C - T11SHAS5.B	T12SHAS5.C - T12SHAS5.B	T0SHAS5.A - T0SHAS5.C	T1SHAS5.A - T1SHAS5.C
Z	.000 ^b	.000 ^b	.000 ^b	-1.000 ^d
Asymp. Sig. (2-tailed)	1.000	1.000	1.000	.317

Test Statistics ^a				
	T2SHAS5.A - T2SHAS5.C	T3SHAS5.A - T3SHAS5.C	T4SHAS5.A - T4SHAS5.C	T5SHAS5.A - T5SHAS5.C
Z	-1.000 ^d	-.577 ^c	-.378 ^d	-.378 ^d
Asymp. Sig. (2-tailed)	.317	.564	.705	.705

Test Statistics ^a				
	T6SHAS5.A - T6SHAS5.C	T7SHAS5.A - T7SHAS5.C	T8SHAS5.A - T8SHAS5.C	T9SHAS5.A - T9SHAS5.C
Z	.000 ^b	-1.300 ^d	-1.414 ^d	-1.000 ^d
Asymp. Sig. (2-tailed)	1.000	.194	.157	.317

Test Statistics ^a			
	T10SHAS5.A - T10SHAS5.C	T11SHAS5.A - T11SHAS5.C	T12SHAS5.A - T12SHAS5.C
Z	-1.000 ^d	.000 ^b	.000 ^b
Asymp. Sig. (2-tailed)	.317	1.000	1.000

a. Wilcoxon Signed Ranks Test

b. The sum of negative ranks equals the sum of positive ranks.

c. Based on positive ranks.

d. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:35
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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.

Notes

Syntax

```
NPAR TESTS
/WILCOXON=T0SHAS6.
A T1SHAS6.A T2SHAS6.A
T3SHAS6.A T4SHAS6.A
T5SHAS6.A T6SHAS6.A
T7SHAS6.A T8SHAS6.A
T9SHAS6.A T10SHAS6.A
T11SHAS6.A
T12SHAS6.A
T0SHAS6.B T1SHAS6.
B T2SHAS6.B T3SHAS6.B
T4SHAS6.B T5SHAS6.B
T6SHAS6.B T7SHAS6.B
T8SHAS6.B T9SHAS6.B
T10SHAS6.B
T11SHAS6.B
T12SHAS6.B
T0SHAS6.C T1SHAS6.
C T2SHAS6.C T3SHAS6.C
T4SHAS6.C T5SHAS6.C
T6SHAS6.C T7SHAS6.C
T8SHAS6.C T9SHAS6.C
T10SHAS6.C
T11SHAS6.C
T12SHAS6.C
WITH
T0SHAS6.B T1SHAS6.
B T2SHAS6.B T3SHAS6.B
T4SHAS6.B T5SHAS6.B
T6SHAS6.B T7SHAS6.B
T8SHAS6.B T9SHAS6.B
T10SHAS6.B
T11SHAS6.B
T12SHAS6.B
T0SHAS6.C T1SHAS6.
C T2SHAS6.C T3SHAS6.C
T4SHAS6.C T5SHAS6.C
T6SHAS6.C T7SHAS6.C
T8SHAS6.C T9SHAS6.C
T10SHAS6.C
T11SHAS6.C
T12SHAS6.C
T0SHAS6.A T1SHAS6.
A T2SHAS6.A T3SHAS6.A
T4SHAS6.A T5SHAS6.A
T6SHAS6.A T7SHAS6.A
T8SHAS6.A T9SHAS6.A
T10SHAS6.A
T11SHAS6.A
T12SHAS6.A (PAIRED)
/STATISTICS
DESCRIPTIVES
/MISSING ANALYSIS.
```

Notes

Resources	Processor Time	00:00:00.06
	Elapsed Time	00:00:01.00
	Number of Cases Allowed ^a	71493

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T0SHAS6.A	19	1.00	.000	1	1
T1SHAS6.A	16	1.06	.250	1	2
T2SHAS6.A	17	1.00	.000	1	1
T3SHAS6.A	19	1.16	.688	1	4
T4SHAS6.A	19	1.16	.501	1	3
T5SHAS6.A	19	1.21	.535	1	3
T6SHAS6.A	19	1.42	1.387	1	7
T7SHAS6.A	19	1.32	1.157	1	6
T8SHAS6.A	19	1.32	.820	1	4
T9SHAS6.A	19	1.26	.733	1	4
T10SHAS6.A	19	1.11	.315	1	2
T11SHAS6.A	19	1.11	.315	1	2
T12SHAS6.A	18	1.06	.236	1	2
T0SHAS6.B	19	1.00	.000	1	1
T1SHAS6.B	18	1.00	.000	1	1
T2SHAS6.B	19	1.00	.000	1	1
T3SHAS6.B	19	1.00	.000	1	1
T4SHAS6.B	19	1.00	.000	1	1
T5SHAS6.B	19	1.00	.000	1	1
T6SHAS6.B	19	1.00	.000	1	1
T7SHAS6.B	19	1.00	.000	1	1
T8SHAS6.B	18	1.00	.000	1	1
T9SHAS6.B	19	1.00	.000	1	1
T10SHAS6.B	19	1.00	.000	1	1
T11SHAS6.B	18	1.00	.000	1	1
T12SHAS6.B	17	1.00	.000	1	1
T0SHAS6.C	18	1.00	.000	1	1
T1SHAS6.C	18	1.00	.000	1	1
T2SHAS6.C	17	1.00	.000	1	1
T3SHAS6.C	18	1.06	.236	1	2
T4SHAS6.C	18	1.06	.236	1	2
T5SHAS6.C	18	1.22	.428	1	2
T6SHAS6.C	18	1.11	.471	1	3

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T7SHAS6.C	17	1.18	.393	1	2
T8SHAS6.C	18	1.17	.514	1	3
T9SHAS6.C	18	1.00	.000	1	1
T10SHAS6.C	18	1.11	.323	1	2
T11SHAS6.C	17	1.06	.243	1	2
T12SHAS6.C	17	1.12	.332	1	2

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T0SHAS6.B - T0SHAS6.A	Negative Ranks	0 ^a	.00	.00
	Positive Ranks	0 ^b	.00	.00
	Ties	19 ^c		
	Total	19		
T1SHAS6.B - T1SHAS6.A	Negative Ranks	1 ^d	1.00	1.00
	Positive Ranks	0 ^e	.00	.00
	Ties	14 ^f		
	Total	15		
T2SHAS6.B - T2SHAS6.A	Negative Ranks	0 ^g	.00	.00
	Positive Ranks	0 ^h	.00	.00
	Ties	17 ⁱ		
	Total	17		
T3SHAS6.B - T3SHAS6.A	Negative Ranks	1 ^j	1.00	1.00
	Positive Ranks	0 ^k	.00	.00
	Ties	18 ^l		
	Total	19		
T4SHAS6.B - T4SHAS6.A	Negative Ranks	2 ^m	1.50	3.00
	Positive Ranks	0 ⁿ	.00	.00
	Ties	17 ^o		
	Total	19		
T5SHAS6.B - T5SHAS6.A	Negative Ranks	3 ^p	2.00	6.00
	Positive Ranks	0 ^q	.00	.00
	Ties	16 ^r		
	Total	19		
T6SHAS6.B - T6SHAS6.A	Negative Ranks	3 ^s	2.00	6.00
	Positive Ranks	0 ^t	.00	.00
	Ties	16 ^u		
	Total	19		

Ranks

		N	Mean Rank	Sum of Ranks
T7SHAS6.B - T7SHAS6.A	Negative Ranks	2 ^v	1.50	3.00
	Positive Ranks	0 ^w	.00	.00
	Ties	17 ^x		
	Total	19		
T8SHAS6.B - T8SHAS6.A	Negative Ranks	3 ^y	2.00	6.00
	Positive Ranks	0 ^z	.00	.00
	Ties	15 ^{aa}		
	Total	18		
T9SHAS6.B - T9SHAS6.A	Negative Ranks	3 ^{ab}	2.00	6.00
	Positive Ranks	0 ^{ac}	.00	.00
	Ties	16 ^{ad}		
	Total	19		
T10SHAS6.B - T10SHAS6.A	Negative Ranks	2 ^{ae}	1.50	3.00
	Positive Ranks	0 ^{af}	.00	.00
	Ties	17 ^{ag}		
	Total	19		
T11SHAS6.B - T11SHAS6.A	Negative Ranks	2 ^{ah}	1.50	3.00
	Positive Ranks	0 ^{ai}	.00	.00
	Ties	16 ^{aj}		
	Total	18		
T12SHAS6.B - T12SHAS6.A	Negative Ranks	1 ^{ak}	1.00	1.00
	Positive Ranks	0 ^{al}	.00	.00
	Ties	15 ^{am}		
	Total	16		
T0SHAS6.C - T0SHAS6.B	Negative Ranks	0 ^{an}	.00	.00
	Positive Ranks	0 ^{ao}	.00	.00
	Ties	18 ^{ap}		
	Total	18		
T1SHAS6.C - T1SHAS6.B	Negative Ranks	0 ^{aq}	.00	.00
	Positive Ranks	0 ^{ar}	.00	.00
	Ties	17 ^{as}		
	Total	17		
T2SHAS6.C - T2SHAS6.B	Negative Ranks	0 ^{at}	.00	.00
	Positive Ranks	0 ^{au}	.00	.00
	Ties	17 ^{av}		
	Total	17		
T3SHAS6.C - T3SHAS6.B	Negative Ranks	0 ^{aw}	.00	.00
	Positive Ranks	1 ^{ax}	1.00	1.00

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	17 ^{ay}		
	Total	18		
T4SHAS6.C - T4SHAS6.B	Negative Ranks	0 ^{az}	.00	.00
	Positive Ranks	1 ^{ba}	1.00	1.00
	Ties	17 ^{bb}		
	Total	18		
T5SHAS6.C - T5SHAS6.B	Negative Ranks	0 ^{bc}	.00	.00
	Positive Ranks	4 ^{bd}	2.50	10.00
	Ties	14 ^{be}		
	Total	18		
T6SHAS6.C - T6SHAS6.B	Negative Ranks	0 ^{bf}	.00	.00
	Positive Ranks	1 ^{bg}	1.00	1.00
	Ties	17 ^{bh}		
	Total	18		
T7SHAS6.C - T7SHAS6.B	Negative Ranks	0 ^{bi}	.00	.00
	Positive Ranks	3 ^{bj}	2.00	6.00
	Ties	14 ^{bk}		
	Total	17		
T8SHAS6.C - T8SHAS6.B	Negative Ranks	0 ^{bl}	.00	.00
	Positive Ranks	2 ^{bm}	1.50	3.00
	Ties	15 ^{bn}		
	Total	17		
T9SHAS6.C - T9SHAS6.B	Negative Ranks	0 ^{bo}	.00	.00
	Positive Ranks	0 ^{bp}	.00	.00
	Ties	18 ^{bq}		
	Total	18		
T10SHAS6.C - T10SHAS6.B	Negative Ranks	0 ^{br}	.00	.00
	Positive Ranks	2 ^{bs}	1.50	3.00
	Ties	16 ^{bt}		
	Total	18		
T11SHAS6.C - T11SHAS6.B	Negative Ranks	0 ^{bu}	.00	.00
	Positive Ranks	1 ^{bv}	1.00	1.00
	Ties	15 ^{bw}		
	Total	16		
T12SHAS6.C - T12SHAS6.B	Negative Ranks	0 ^{bx}	.00	.00
	Positive Ranks	2 ^{by}	1.50	3.00
	Ties	13 ^{bz}		
	Total	15		

Ranks

		N	Mean Rank	Sum of Ranks
T0SHAS6.A - T0SHAS6.C	Negative Ranks	0 ^{ca}	.00	.00
	Positive Ranks	0 ^{cb}	.00	.00
	Ties	18 ^{cc}		
	Total	18		
T1SHAS6.A - T1SHAS6.C	Negative Ranks	0 ^{cd}	.00	.00
	Positive Ranks	1 ^{ce}	1.00	1.00
	Ties	15 ^{cf}		
	Total	16		
T2SHAS6.A - T2SHAS6.C	Negative Ranks	0 ^{cg}	.00	.00
	Positive Ranks	0 ^{ch}	.00	.00
	Ties	16 ^{ci}		
	Total	16		
T3SHAS6.A - T3SHAS6.C	Negative Ranks	1 ^{cj}	1.00	1.00
	Positive Ranks	0 ^{ck}	.00	.00
	Ties	17 ^{cl}		
	Total	18		
T4SHAS6.A - T4SHAS6.C	Negative Ranks	1 ^{cm}	1.50	1.50
	Positive Ranks	1 ^{cn}	1.50	1.50
	Ties	16 ^{co}		
	Total	18		
T5SHAS6.A - T5SHAS6.C	Negative Ranks	3 ^{cp}	2.50	7.50
	Positive Ranks	1 ^{cq}	2.50	2.50
	Ties	14 ^{cr}		
	Total	18		
T6SHAS6.A - T6SHAS6.C	Negative Ranks	1 ^{cs}	3.00	3.00
	Positive Ranks	2 ^{ct}	1.50	3.00
	Ties	15 ^{cu}		
	Total	18		
T7SHAS6.A - T7SHAS6.C	Negative Ranks	2 ^{cv}	1.50	3.00
	Positive Ranks	0 ^{cw}	.00	.00
	Ties	15 ^{cx}		
	Total	17		
T8SHAS6.A - T8SHAS6.C	Negative Ranks	1 ^{cy}	1.50	1.50
	Positive Ranks	1 ^{cz}	1.50	1.50
	Ties	16 ^{da}		
	Total	18		
T9SHAS6.A - T9SHAS6.C	Negative Ranks	0 ^{db}	.00	.00
	Positive Ranks	2 ^{dc}	1.50	3.00

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	16 ^{dd}		
	Total	18		
T10SHAS6.A - T10SHAS6.C	Negative Ranks	2 ^{de}	2.00	4.00
	Positive Ranks	1 ^{df}	2.00	2.00
	Ties	15 ^{dg}		
	Total	18		
T11SHAS6.A - T11SHAS6.C	Negative Ranks	1 ^{dh}	1.50	1.50
	Positive Ranks	1 ^{di}	1.50	1.50
	Ties	15 ^{dj}		
	Total	17		
T12SHAS6.A - T12SHAS6.C	Negative Ranks	2 ^{dk}	1.50	3.00
	Positive Ranks	0 ^{dl}	.00	.00
	Ties	14 ^{dm}		
	Total	16		

- a. T0SHAS6.B < T0SHAS6.A
- b. T0SHAS6.B > T0SHAS6.A
- c. T0SHAS6.B = T0SHAS6.A
- d. T1SHAS6.B < T1SHAS6.A
- e. T1SHAS6.B > T1SHAS6.A
- f. T1SHAS6.B = T1SHAS6.A
- g. T2SHAS6.B < T2SHAS6.A
- h. T2SHAS6.B > T2SHAS6.A
- i. T2SHAS6.B = T2SHAS6.A
- j. T3SHAS6.B < T3SHAS6.A
- k. T3SHAS6.B > T3SHAS6.A
- l. T3SHAS6.B = T3SHAS6.A
- m. T4SHAS6.B < T4SHAS6.A
- n. T4SHAS6.B > T4SHAS6.A
- o. T4SHAS6.B = T4SHAS6.A
- p. T5SHAS6.B < T5SHAS6.A

p. T5SHAS6.B < T5SHAS6.A
q. T5SHAS6.B > T5SHAS6.A
r. T5SHAS6.B = T5SHAS6.A
s. T6SHAS6.B < T6SHAS6.A
t. T6SHAS6.B > T6SHAS6.A
u. T6SHAS6.B = T6SHAS6.A
v. T7SHAS6.B < T7SHAS6.A
w. T7SHAS6.B > T7SHAS6.A
x. T7SHAS6.B = T7SHAS6.A
y. T8SHAS6.B < T8SHAS6.A
z. T8SHAS6.B > T8SHAS6.A
aa. T8SHAS6.B = T8SHAS6.A
ab. T9SHAS6.B < T9SHAS6.A
ac. T9SHAS6.B > T9SHAS6.A
ad. T9SHAS6.B = T9SHAS6.A
ae. T10SHAS6.B < T10SHAS6.A
af. T10SHAS6.B > T10SHAS6.A
ag. T10SHAS6.B = T10SHAS6.A
ah. T11SHAS6.B < T11SHAS6.A
ai. T11SHAS6.B > T11SHAS6.A
aj. T11SHAS6.B = T11SHAS6.A
ak. T12SHAS6.B < T12SHAS6.A
al. T12SHAS6.B > T12SHAS6.A
am. T12SHAS6.B = T12SHAS6.A
an. T0SHAS6.C < T0SHAS6.B
ao. T0SHAS6.C > T0SHAS6.B
ap. T0SHAS6.C = T0SHAS6.B
aq. T1SHAS6.C < T1SHAS6.B
ar. T1SHAS6.C > T1SHAS6.B
as. T1SHAS6.C = T1SHAS6.B
at. T2SHAS6.C < T2SHAS6.B
au. T2SHAS6.C > T2SHAS6.B
av. T2SHAS6.C = T2SHAS6.B
aw. T3SHAS6.C < T3SHAS6.B
ax. T3SHAS6.C > T3SHAS6.B
ay. T3SHAS6.C = T3SHAS6.B
az. T4SHAS6.C < T4SHAS6.B
ba. T4SHAS6.C > T4SHAS6.B
bb. T4SHAS6.C = T4SHAS6.B
bc. T5SHAS6.C < T5SHAS6.B
bd. T5SHAS6.C > T5SHAS6.B
be. T5SHAS6.C = T5SHAS6.B
bf. T6SHAS6.C < T6SHAS6.B
bg. T6SHAS6.C > T6SHAS6.B
bh. T6SHAS6.C = T6SHAS6.B

bh. T6SHAS6.C = T6SHAS6.B
bi. T7SHAS6.C < T7SHAS6.B
bj. T7SHAS6.C > T7SHAS6.B
bk. T7SHAS6.C = T7SHAS6.B
bl. T8SHAS6.C < T8SHAS6.B
bm. T8SHAS6.C > T8SHAS6.B
bn. T8SHAS6.C = T8SHAS6.B
bo. T9SHAS6.C < T9SHAS6.B
bp. T9SHAS6.C > T9SHAS6.B
bq. T9SHAS6.C = T9SHAS6.B
br. T10SHAS6.C < T10SHAS6.B
bs. T10SHAS6.C > T10SHAS6.B
bt. T10SHAS6.C = T10SHAS6.B
bu. T11SHAS6.C < T11SHAS6.B
bv. T11SHAS6.C > T11SHAS6.B
bw. T11SHAS6.C = T11SHAS6.B
bx. T12SHAS6.C < T12SHAS6.B
by. T12SHAS6.C > T12SHAS6.B
bz. T12SHAS6.C = T12SHAS6.B
ca. T0SHAS6.A < T0SHAS6.C
cb. T0SHAS6.A > T0SHAS6.C
cc. T0SHAS6.A = T0SHAS6.C
cd. T1SHAS6.A < T1SHAS6.C
ce. T1SHAS6.A > T1SHAS6.C
cf. T1SHAS6.A = T1SHAS6.C
cg. T2SHAS6.A < T2SHAS6.C
ch. T2SHAS6.A > T2SHAS6.C
ci. T2SHAS6.A = T2SHAS6.C
cj. T3SHAS6.A < T3SHAS6.C
ck. T3SHAS6.A > T3SHAS6.C
cl. T3SHAS6.A = T3SHAS6.C
cm. T4SHAS6.A < T4SHAS6.C
cn. T4SHAS6.A > T4SHAS6.C
co. T4SHAS6.A = T4SHAS6.C
cp. T5SHAS6.A < T5SHAS6.C
cq. T5SHAS6.A > T5SHAS6.C
cr. T5SHAS6.A = T5SHAS6.C
cs. T6SHAS6.A < T6SHAS6.C
ct. T6SHAS6.A > T6SHAS6.C
cu. T6SHAS6.A = T6SHAS6.C
cv. T7SHAS6.A < T7SHAS6.C
cw. T7SHAS6.A > T7SHAS6.C
cx. T7SHAS6.A = T7SHAS6.C
cy. T8SHAS6.A < T8SHAS6.C
-- T8SHAS6.A = T8SHAS6.C

- cz. T8SHAS6.A > T8SHAS6.C
- da. T8SHAS6.A = T8SHAS6.C
- db. T9SHAS6.A < T9SHAS6.C
- dc. T9SHAS6.A > T9SHAS6.C
- dd. T9SHAS6.A = T9SHAS6.C
- de. T10SHAS6.A < T10SHAS6.C
- df. T10SHAS6.A > T10SHAS6.C
- dg. T10SHAS6.A = T10SHAS6.C
- dh. T11SHAS6.A < T11SHAS6.C
- di. T11SHAS6.A > T11SHAS6.C
- dj. T11SHAS6.A = T11SHAS6.C
- dk. T12SHAS6.A < T12SHAS6.C
- dl. T12SHAS6.A > T12SHAS6.C
- dm. T12SHAS6.A = T12SHAS6.C

Test Statistics^a

	T0SHAS6.B - T0SHAS6.A	T1SHAS6.B - T1SHAS6.A	T2SHAS6.B - T2SHAS6.A	T3SHAS6.B - T3SHAS6.A
Z	.000 ^b	-1.000 ^c	.000 ^b	-1.000 ^c
Asymp. Sig. (2-tailed)	1.000	.317	1.000	.317

Test Statistics^a

	T4SHAS6.B - T4SHAS6.A	T5SHAS6.B - T5SHAS6.A	T6SHAS6.B - T6SHAS6.A	T7SHAS6.B - T7SHAS6.A
Z	-1.342 ^c	-1.633 ^c	-1.633 ^c	-1.342 ^c
Asymp. Sig. (2-tailed)	.180	.102	.102	.180

Test Statistics^a

	T8SHAS6.B - T8SHAS6.A	T9SHAS6.B - T9SHAS6.A	T10SHAS6.B - T10SHAS6.A	T11SHAS6.B - T11SHAS6.A
Z	-1.604 ^c	-1.633 ^c	-1.414 ^c	-1.414 ^c
Asymp. Sig. (2-tailed)	.109	.102	.157	.157

Test Statistics^a

	T12SHAS6.B - T12SHAS6.A	T0SHAS6.C - T0SHAS6.B	T1SHAS6.C - T1SHAS6.B	T2SHAS6.C - T2SHAS6.B
Z	-1.000 ^c	.000 ^b	.000 ^b	.000 ^b
Asymp. Sig. (2-tailed)	.317	1.000	1.000	1.000

Test Statistics^a

	T3SHAS6.C - T3SHAS6.B	T4SHAS6.C - T4SHAS6.B	T5SHAS6.C - T5SHAS6.B	T6SHAS6.C - T6SHAS6.B
Z	-1.000 ^d	-1.000 ^d	-2.000 ^d	-1.000 ^d
Asymp. Sig. (2-tailed)	.317	.317	.046	.317

Test Statistics^a

	T7SHAS6.C - T7SHAS6.B	T8SHAS6.C - T8SHAS6.B	T9SHAS6.C - T9SHAS6.B	T10SHAS6.C - T10SHAS6.B
Z	-1.732 ^d	-1.342 ^d	.000 ^b	-1.414 ^d
Asymp. Sig. (2-tailed)	.083	.180	1.000	.157

Test Statistics^a

	T11SHAS6.C - T11SHAS6.B	T12SHAS6.C - T12SHAS6.B	T0SHAS6.A - T0SHAS6.C	T1SHAS6.A - T1SHAS6.C
Z	-1.000 ^d	-1.414 ^d	.000 ^b	-1.000 ^d
Asymp. Sig. (2-tailed)	.317	.157	1.000	.317

Test Statistics^a

	T2SHAS6.A - T2SHAS6.C	T3SHAS6.A - T3SHAS6.C	T4SHAS6.A - T4SHAS6.C	T5SHAS6.A - T5SHAS6.C
Z	.000 ^b	-1.000 ^c	.000 ^b	-1.000 ^c
Asymp. Sig. (2-tailed)	1.000	.317	1.000	.317

Test Statistics^a

	T6SHAS6.A - T6SHAS6.C	T7SHAS6.A - T7SHAS6.C	T8SHAS6.A - T8SHAS6.C	T9SHAS6.A - T9SHAS6.C
Z	.000 ^b	-1.414 ^c	.000 ^b	-1.414 ^d
Asymp. Sig. (2-tailed)	1.000	.157	1.000	.157

Test Statistics^a

	T10SHAS6.A - T10SHAS6.C	T11SHAS6.A - T11SHAS6.C	T12SHAS6.A - T12SHAS6.C
Z	-.577 ^c	.000 ^b	-1.414 ^c
Asymp. Sig. (2-tailed)	.564	1.000	.157

a. Wilcoxon Signed Ranks Test

b. The sum of negative ranks equals the sum of positive ranks.

c. Based on positive ranks.

d. Based on negative ranks.

NPar Tests

Notes

Syntax

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NPART TESTS

/WILCOXON=T0SHAS10.
A T1SHAS10.A
T2SHAS10.A T3SHAS10.
A T4SHAS10.A
T5SHAS10.A T6SHAS10.
A T7SHAS10.A
T8SHAS10.A T9SHAS10.
A T10SHAS10.A
  T11SHAS10.A
T12SHAS10.A
  T0SHAS10.B
T1SHAS10.B T2SHAS10.B
T3SHAS10.B T4SHAS10.B
T5SHAS10.B T6SHAS10.B
T7SHAS10.B T8SHAS10.B
T9SHAS10.B T10SHAS10.
B
  T11SHAS10.B
T12SHAS10.B
  T0SHAS10.C
T1SHAS10.C T2SHAS10.
C T3SHAS10.C
T4SHAS10.C T5SHAS10.
C T6SHAS10.C
T7SHAS10.C T8SHAS10.
C T9SHAS10.C
T10SHAS10.C
  T11SHAS10.C
T12SHAS10.C
  WITH
  T0SHAS10.B
T1SHAS10.B T2SHAS10.B
T3SHAS10.B T4SHAS10.B
T5SHAS10.B T6SHAS10.B
T7SHAS10.B T8SHAS10.B
T9SHAS10.B T10SHAS10.
B
  T11SHAS10.B
T12SHAS10.B
  T0SHAS10.C
T1SHAS10.C T2SHAS10.
C T3SHAS10.C
T4SHAS10.C T5SHAS10.
C T6SHAS10.C
T7SHAS10.C T8SHAS10.
C T9SHAS10.C
T10SHAS10.C
  T11SHAS10.C
T12SHAS10.C
  T0SHAS10.A
T1SHAS10.A T2SHAS10.
A T3SHAS10.A
T4SHAS10.A T5SHAS10.
A T6SHAS10.A
T7SHAS10.A T8SHAS10.
A T9SHAS10.A
T10SHAS10.A
  T11SHAS10.A
T12SHAS10.A (PAIRED)
/STATISTICS
DESCRIPTIVES
/MISSING ANALYSIS.
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Notes

Resources	Processor Time	00:00:00.06
	Elapsed Time	00:00:00.00
	Number of Cases Allowed ^a	71493

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T0SHAS10.A	19	1.00	.000	1	1
T1SHAS10.A	16	1.19	.750	1	4
T2SHAS10.A	17	1.18	.529	1	3
T3SHAS10.A	19	1.16	.501	1	3
T4SHAS10.A	19	1.47	.772	1	3
T5SHAS10.A	19	2.37	1.300	1	6
T6SHAS10.A	19	2.21	1.548	1	6
T7SHAS10.A	19	2.42	1.710	1	7
T8SHAS10.A	19	2.11	1.560	1	7
T9SHAS10.A	19	1.89	1.243	1	5
T10SHAS10.A	19	1.74	1.046	1	5
T11SHAS10.A	19	1.37	.761	1	4
T12SHAS10.A	18	1.33	.767	1	4
T0SHAS10.B	19	1.00	.000	1	1
T1SHAS10.B	18	1.00	.000	1	1
T2SHAS10.B	19	1.00	.000	1	1
T3SHAS10.B	19	1.05	.229	1	2
T4SHAS10.B	19	1.00	.000	1	1
T5SHAS10.B	19	1.16	.375	1	2
T6SHAS10.B	19	1.26	.806	1	4
T7SHAS10.B	19	1.32	1.003	1	5
T8SHAS10.B	18	1.22	.548	1	3
T9SHAS10.B	19	1.16	.375	1	2
T10SHAS10.B	19	1.05	.229	1	2
T11SHAS10.B	18	1.11	.323	1	2
T12SHAS10.B	17	1.06	.243	1	2
T0SHAS10.C	18	1.00	.000	1	1
T1SHAS10.C	18	1.00	.000	1	1
T2SHAS10.C	17	1.00	.000	1	1
T3SHAS10.C	18	1.11	.323	1	2
T4SHAS10.C	18	1.56	.856	1	4
T5SHAS10.C	18	2.00	1.328	1	6
T6SHAS10.C	18	2.50	1.823	1	7

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T7SHAS10.C	18	2.28	1.447	1	6
T8SHAS10.C	18	2.00	1.715	1	7
T9SHAS10.C	18	1.83	1.200	1	5
T10SHAS10.C	18	1.67	1.085	1	5
T11SHAS10.C	17	1.65	.931	1	4
T12SHAS10.C	17	1.35	.606	1	3

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T0SHAS10.B - T0SHAS10.A	Negative Ranks	0 ^a	.00	.00
	Positive Ranks	0 ^b	.00	.00
	Ties	19 ^c		
	Total	19		
T1SHAS10.B - T1SHAS10.A	Negative Ranks	1 ^d	1.00	1.00
	Positive Ranks	0 ^e	.00	.00
	Ties	14 ^f		
	Total	15		
T2SHAS10.B - T2SHAS10.A	Negative Ranks	2 ^g	1.50	3.00
	Positive Ranks	0 ^h	.00	.00
	Ties	15 ⁱ		
	Total	17		
T3SHAS10.B - T3SHAS10.A	Negative Ranks	2 ^j	2.25	4.50
	Positive Ranks	1 ^k	1.50	1.50
	Ties	16 ^l		
	Total	19		
T4SHAS10.B - T4SHAS10.A	Negative Ranks	6 ^m	3.50	21.00
	Positive Ranks	0 ⁿ	.00	.00
	Ties	13 ^o		
	Total	19		
T5SHAS10.B - T5SHAS10.A	Negative Ranks	14 ^p	8.21	115.00
	Positive Ranks	1 ^q	5.00	5.00
	Ties	4 ^r		
	Total	19		
T6SHAS10.B - T6SHAS10.A	Negative Ranks	9 ^s	5.39	48.50
	Positive Ranks	1 ^t	6.50	6.50
	Ties	9 ^u		
	Total	19		

Ranks

		N	Mean Rank	Sum of Ranks
T7SHAS10.B - T7SHAS10.A	Negative Ranks	11 ^v	6.00	66.00
	Positive Ranks	0 ^w	.00	.00
	Ties	8 ^x		
	Total	19		
T8SHAS10.B - T8SHAS10.A	Negative Ranks	8 ^y	4.50	36.00
	Positive Ranks	0 ^z	.00	.00
	Ties	10 ^{aa}		
	Total	18		
T9SHAS10.B - T9SHAS10.A	Negative Ranks	9 ^{ab}	5.72	51.50
	Positive Ranks	1 ^{ac}	3.50	3.50
	Ties	9 ^{ad}		
	Total	19		
T10SHAS10.B - T10SHAS10.A	Negative Ranks	9 ^{ae}	5.67	51.00
	Positive Ranks	1 ^{af}	4.00	4.00
	Ties	9 ^{ag}		
	Total	19		
T11SHAS10.B - T11SHAS10.A	Negative Ranks	3 ^{ah}	2.00	6.00
	Positive Ranks	0 ^{ai}	.00	.00
	Ties	15 ^{aj}		
	Total	18		
T12SHAS10.B - T12SHAS10.A	Negative Ranks	2 ^{ak}	1.50	3.00
	Positive Ranks	0 ^{al}	.00	.00
	Ties	14 ^{am}		
	Total	16		
T0SHAS10.C - T0SHAS10.B	Negative Ranks	0 ^{an}	.00	.00
	Positive Ranks	0 ^{ao}	.00	.00
	Ties	18 ^{ap}		
	Total	18		
T1SHAS10.C - T1SHAS10.B	Negative Ranks	0 ^{aq}	.00	.00
	Positive Ranks	0 ^{ar}	.00	.00
	Ties	17 ^{as}		
	Total	17		
T2SHAS10.C - T2SHAS10.B	Negative Ranks	0 ^{at}	.00	.00
	Positive Ranks	0 ^{au}	.00	.00
	Ties	17 ^{av}		
	Total	17		
T3SHAS10.C - T3SHAS10.B	Negative Ranks	1 ^{aw}	2.00	2.00
	Positive Ranks	2 ^{ax}	2.00	4.00

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	15 ^{ay}		
	Total	18		
T4SHAS10.C - T4SHAS10.B	Negative Ranks	0 ^{az}	.00	.00
	Positive Ranks	7 ^{ba}	4.00	28.00
	Ties	11 ^{bb}		
	Total	18		
T5SHAS10.C - T5SHAS10.B	Negative Ranks	1 ^{bc}	3.50	3.50
	Positive Ranks	9 ^{bd}	5.72	51.50
	Ties	8 ^{be}		
	Total	18		
T6SHAS10.C - T6SHAS10.B	Negative Ranks	0 ^{bf}	.00	.00
	Positive Ranks	9 ^{bg}	5.00	45.00
	Ties	9 ^{bh}		
	Total	18		
T7SHAS10.C - T7SHAS10.B	Negative Ranks	0 ^{bi}	.00	.00
	Positive Ranks	10 ^{bj}	5.50	55.00
	Ties	8 ^{bk}		
	Total	18		
T8SHAS10.C - T8SHAS10.B	Negative Ranks	1 ^{bl}	2.00	2.00
	Positive Ranks	5 ^{bm}	3.80	19.00
	Ties	11 ^{bn}		
	Total	17		
T9SHAS10.C - T9SHAS10.B	Negative Ranks	0 ^{bo}	.00	.00
	Positive Ranks	6 ^{bp}	3.50	21.00
	Ties	12 ^{bq}		
	Total	18		
T10SHAS10.C - T10SHAS10.B	Negative Ranks	1 ^{br}	3.00	3.00
	Positive Ranks	7 ^{bs}	4.71	33.00
	Ties	10 ^{bt}		
	Total	18		
T11SHAS10.C - T11SHAS10.B	Negative Ranks	0 ^{bu}	.00	.00
	Positive Ranks	6 ^{bv}	3.50	21.00
	Ties	10 ^{bw}		
	Total	16		
T12SHAS10.C - T12SHAS10.B	Negative Ranks	0 ^{bx}	.00	.00
	Positive Ranks	3 ^{by}	2.00	6.00
	Ties	12 ^{bz}		
	Total	15		

Ranks

		N	Mean Rank	Sum of Ranks
T0SHAS10.A - T0SHAS10. C	Negative Ranks	0 ^{ca}	.00	.00
	Positive Ranks	0 ^{cb}	.00	.00
	Ties	18 ^{cc}		
	Total	18		
T1SHAS10.A - T1SHAS10. C	Negative Ranks	0 ^{cd}	.00	.00
	Positive Ranks	1 ^{ce}	1.00	1.00
	Ties	15 ^{cf}		
	Total	16		
T2SHAS10.A - T2SHAS10. C	Negative Ranks	0 ^{cg}	.00	.00
	Positive Ranks	2 ^{ch}	1.50	3.00
	Ties	14 ^{ci}		
	Total	16		
T3SHAS10.A - T3SHAS10. C	Negative Ranks	1 ^{cj}	2.00	2.00
	Positive Ranks	2 ^{ck}	2.00	4.00
	Ties	15 ^{cl}		
	Total	18		
T4SHAS10.A - T4SHAS10. C	Negative Ranks	4 ^{cm}	5.88	23.50
	Positive Ranks	5 ^{cn}	4.30	21.50
	Ties	9 ^{co}		
	Total	18		
T5SHAS10.A - T5SHAS10. C	Negative Ranks	1 ^{cp}	4.50	4.50
	Positive Ranks	7 ^{cq}	4.50	31.50
	Ties	10 ^{cr}		
	Total	18		
T6SHAS10.A - T6SHAS10. C	Negative Ranks	7 ^{cs}	5.93	41.50
	Positive Ranks	3 ^{ct}	4.50	13.50
	Ties	8 ^{cu}		
	Total	18		
T7SHAS10.A - T7SHAS10. C	Negative Ranks	3 ^{cv}	4.00	12.00
	Positive Ranks	3 ^{cw}	3.00	9.00
	Ties	12 ^{cx}		
	Total	18		
T8SHAS10.A - T8SHAS10. C	Negative Ranks	4 ^{cy}	6.63	26.50
	Positive Ranks	5 ^{cz}	3.70	18.50
	Ties	9 ^{da}		
	Total	18		
T9SHAS10.A - T9SHAS10. C	Negative Ranks	6 ^{db}	4.50	27.00
	Positive Ranks	3 ^{dc}	6.00	18.00

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	9 ^{dd}		
	Total	18		
T10SHAS10.A - T10SHAS10.C	Negative Ranks	3 ^{de}	3.33	10.00
	Positive Ranks	2 ^{df}	2.50	5.00
	Ties	13 ^{dg}		
	Total	18		
T11SHAS10.A - T11SHAS10.C	Negative Ranks	7 ^{dh}	5.29	37.00
	Positive Ranks	2 ^{di}	4.00	8.00
	Ties	8 ^{dj}		
	Total	17		
T12SHAS10.A - T12SHAS10.C	Negative Ranks	4 ^{dk}	3.00	12.00
	Positive Ranks	1 ^{dl}	3.00	3.00
	Ties	11 ^{dm}		
	Total	16		

- a. T0SHAS10.B < T0SHAS10.A
- b. T0SHAS10.B > T0SHAS10.A
- c. T0SHAS10.B = T0SHAS10.A
- d. T1SHAS10.B < T1SHAS10.A
- e. T1SHAS10.B > T1SHAS10.A
- f. T1SHAS10.B = T1SHAS10.A
- g. T2SHAS10.B < T2SHAS10.A
- h. T2SHAS10.B > T2SHAS10.A
- i. T2SHAS10.B = T2SHAS10.A
- j. T3SHAS10.B < T3SHAS10.A
- k. T3SHAS10.B > T3SHAS10.A
- l. T3SHAS10.B = T3SHAS10.A
- m. T4SHAS10.B < T4SHAS10.A
- n. T4SHAS10.B > T4SHAS10.A
- o. T4SHAS10.B = T4SHAS10.A

p. T5SHAS10.B < T5SHAS10.A
q. T5SHAS10.B > T5SHAS10.A
r. T5SHAS10.B = T5SHAS10.A
s. T6SHAS10.B < T6SHAS10.A
t. T6SHAS10.B > T6SHAS10.A
u. T6SHAS10.B = T6SHAS10.A
v. T7SHAS10.B < T7SHAS10.A
w. T7SHAS10.B > T7SHAS10.A
x. T7SHAS10.B = T7SHAS10.A
y. T8SHAS10.B < T8SHAS10.A
z. T8SHAS10.B > T8SHAS10.A
aa. T8SHAS10.B = T8SHAS10.A
ab. T9SHAS10.B < T9SHAS10.A
ac. T9SHAS10.B > T9SHAS10.A
ad. T9SHAS10.B = T9SHAS10.A
ae. T10SHAS10.B < T10SHAS10.A
af. T10SHAS10.B > T10SHAS10.A
ag. T10SHAS10.B = T10SHAS10.A
ah. T11SHAS10.B < T11SHAS10.A
ai. T11SHAS10.B > T11SHAS10.A
aj. T11SHAS10.B = T11SHAS10.A
ak. T12SHAS10.B < T12SHAS10.A
al. T12SHAS10.B > T12SHAS10.A
am. T12SHAS10.B = T12SHAS10.A
an. T0SHAS10.C < T0SHAS10.B
ao. T0SHAS10.C > T0SHAS10.B
ap. T0SHAS10.C = T0SHAS10.B
aq. T1SHAS10.C < T1SHAS10.B
ar. T1SHAS10.C > T1SHAS10.B
as. T1SHAS10.C = T1SHAS10.B
at. T2SHAS10.C < T2SHAS10.B
au. T2SHAS10.C > T2SHAS10.B
av. T2SHAS10.C = T2SHAS10.B
aw. T3SHAS10.C < T3SHAS10.B
ax. T3SHAS10.C > T3SHAS10.B
ay. T3SHAS10.C = T3SHAS10.B
az. T4SHAS10.C < T4SHAS10.B
ba. T4SHAS10.C > T4SHAS10.B
bb. T4SHAS10.C = T4SHAS10.B
bc. T5SHAS10.C < T5SHAS10.B
bd. T5SHAS10.C > T5SHAS10.B
be. T5SHAS10.C = T5SHAS10.B
bf. T6SHAS10.C < T6SHAS10.B
bg. T6SHAS10.C > T6SHAS10.B
bh. T6SHAS10.C = T6SHAS10.B

bh. T6SHAS10.C = T6SHAS10.B
bi. T7SHAS10.C < T7SHAS10.B
bj. T7SHAS10.C > T7SHAS10.B
bk. T7SHAS10.C = T7SHAS10.B
bl. T8SHAS10.C < T8SHAS10.B
bm. T8SHAS10.C > T8SHAS10.B
bn. T8SHAS10.C = T8SHAS10.B
bo. T9SHAS10.C < T9SHAS10.B
bp. T9SHAS10.C > T9SHAS10.B
bq. T9SHAS10.C = T9SHAS10.B
br. T10SHAS10.C < T10SHAS10.B
bs. T10SHAS10.C > T10SHAS10.B
bt. T10SHAS10.C = T10SHAS10.B
bu. T11SHAS10.C < T11SHAS10.B
bv. T11SHAS10.C > T11SHAS10.B
bw. T11SHAS10.C = T11SHAS10.B
bx. T12SHAS10.C < T12SHAS10.B
by. T12SHAS10.C > T12SHAS10.B
bz. T12SHAS10.C = T12SHAS10.B
ca. T0SHAS10.A < T0SHAS10.C
cb. T0SHAS10.A > T0SHAS10.C
cc. T0SHAS10.A = T0SHAS10.C
cd. T1SHAS10.A < T1SHAS10.C
ce. T1SHAS10.A > T1SHAS10.C
cf. T1SHAS10.A = T1SHAS10.C
cg. T2SHAS10.A < T2SHAS10.C
ch. T2SHAS10.A > T2SHAS10.C
ci. T2SHAS10.A = T2SHAS10.C
cj. T3SHAS10.A < T3SHAS10.C
ck. T3SHAS10.A > T3SHAS10.C
cl. T3SHAS10.A = T3SHAS10.C
cm. T4SHAS10.A < T4SHAS10.C
cn. T4SHAS10.A > T4SHAS10.C
co. T4SHAS10.A = T4SHAS10.C
cp. T5SHAS10.A < T5SHAS10.C
cq. T5SHAS10.A > T5SHAS10.C
cr. T5SHAS10.A = T5SHAS10.C
cs. T6SHAS10.A < T6SHAS10.C
ct. T6SHAS10.A > T6SHAS10.C
cu. T6SHAS10.A = T6SHAS10.C
cv. T7SHAS10.A < T7SHAS10.C
cw. T7SHAS10.A > T7SHAS10.C
cx. T7SHAS10.A = T7SHAS10.C
cy. T8SHAS10.A < T8SHAS10.C
-- T8SHAS10.A > T8SHAS10.C

- cz. T8SHAS10.A > T8SHAS10.C
- da. T8SHAS10.A = T8SHAS10.C
- db. T9SHAS10.A < T9SHAS10.C
- dc. T9SHAS10.A > T9SHAS10.C
- dd. T9SHAS10.A = T9SHAS10.C
- de. T10SHAS10.A < T10SHAS10.C
- df. T10SHAS10.A > T10SHAS10.C
- dg. T10SHAS10.A = T10SHAS10.C
- dh. T11SHAS10.A < T11SHAS10.C
- di. T11SHAS10.A > T11SHAS10.C
- dj. T11SHAS10.A = T11SHAS10.C
- dk. T12SHAS10.A < T12SHAS10.C
- dl. T12SHAS10.A > T12SHAS10.C
- dm. T12SHAS10.A = T12SHAS10.C

Test Statistics^a

	T0SHAS10.B - T0SHAS10.A	T1SHAS10.B - T1SHAS10.A	T2SHAS10.B - T2SHAS10.A	T3SHAS10.B - T3SHAS10.A
Z	.000 ^b	-1.000 ^c	-1.342 ^c	-.816 ^c
Asymp. Sig. (2-tailed)	1.000	.317	.180	.414

Test Statistics^a

	T4SHAS10.B - T4SHAS10.A	T5SHAS10.B - T5SHAS10.A	T6SHAS10.B - T6SHAS10.A	T7SHAS10.B - T7SHAS10.A
Z	-2.251 ^c	-3.209 ^c	-2.170 ^c	-3.020 ^c
Asymp. Sig. (2-tailed)	.024	.001	.030	.003

Test Statistics^a

	T8SHAS10.B - T8SHAS10.A	T9SHAS10.B - T9SHAS10.A	T10SHAS10.B - T10SHAS10.A	T11SHAS10.B - T11SHAS10.A
Z	-2.636 ^c	-2.511 ^c	-2.489 ^c	-1.633 ^c
Asymp. Sig. (2-tailed)	.008	.012	.013	.102

Test Statistics^a

	T12SHAS10.B - T12SHAS10.A	T0SHAS10.C - T0SHAS10.B	T1SHAS10.C - T1SHAS10.B	T2SHAS10.C - T2SHAS10.B
Z	-1.342 ^c	.000 ^b	.000 ^b	.000 ^b
Asymp. Sig. (2-tailed)	.180	1.000	1.000	1.000

Test Statistics^a

	T3SHAS10.C - T3SHAS10.B	T4SHAS10.C - T4SHAS10.B	T5SHAS10.C - T5SHAS10.B	T6SHAS10.C - T6SHAS10.B
Z	-.577 ^d	-2.456 ^d	-2.511 ^d	-2.694 ^d
Asymp. Sig. (2-tailed)	.564	.014	.012	.007

Test Statistics^a

	T7SHAS10.C - T7SHAS10.B	T8SHAS10.C - T8SHAS10.B	T9SHAS10.C - T9SHAS10.B	T10SHAS10.C - T10SHAS10.B
Z	-2.877 ^d	-1.802 ^d	-2.220 ^d	-2.157 ^d
Asymp. Sig. (2-tailed)	.004	.072	.026	.031

Test Statistics^a

	T11SHAS10.C - T11SHAS10.B	T12SHAS10.C - T12SHAS10.B	T0SHAS10.A - T0SHAS10.C	T1SHAS10.A - T1SHAS10.C
Z	-2.271 ^d	-1.732 ^d	.000 ^b	-1.000 ^d
Asymp. Sig. (2-tailed)	.023	.083	1.000	.317

Test Statistics^a

	T2SHAS10.A - T2SHAS10.C	T3SHAS10.A - T3SHAS10.C	T4SHAS10.A - T4SHAS10.C	T5SHAS10.A - T5SHAS10.C
Z	-1.342 ^d	-.577 ^d	-.122 ^c	-2.121 ^d
Asymp. Sig. (2-tailed)	.180	.564	.903	.034

Test Statistics^a

	T6SHAS10.A - T6SHAS10.C	T7SHAS10.A - T7SHAS10.C	T8SHAS10.A - T8SHAS10.C	T9SHAS10.A - T9SHAS10.C
Z	-1.456 ^c	-.333 ^c	-.483 ^c	-.577 ^c
Asymp. Sig. (2-tailed)	.145	.739	.629	.564

Test Statistics^a

	T10SHAS10.A - T10SHAS10.C	T11SHAS10.A - T11SHAS10.C	T12SHAS10.A - T12SHAS10.C
Z	-.707 ^c	-1.811 ^c	-1.342 ^c
Asymp. Sig. (2-tailed)	.480	.070	.180

a. Wilcoxon Signed Ranks Test

b. The sum of negative ranks equals the sum of positive ranks.

c. Based on positive ranks.

d. Based on negative ranks.

Notes

Syntax

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NPART TESTS
/WILCOXON=T0SHAS12.
A T1SHAS12.A
T2SHAS12.A T3SHAS12.
A T4SHAS12.A
T5SHAS12.A T6SHAS12.
A T7SHAS12.A
T8SHAS12.A T9SHAS12.
A T10SHAS12.A
  T11SHAS12.A
T12SHAS12.A
  T0SHAS12.B
T1SHAS12.B T2SHAS12.B
T3SHAS12.B T4SHAS12.B
T5SHAS12.B T6SHAS12.B
T7SHAS12.B T8SHAS12.B
T9SHAS12.B T10SHAS12.
B
  T11SHAS12.B
T12SHAS12.B
  T0SHAS12.C
T1SHAS12.C T2SHAS12.
C T3SHAS12.C
T4SHAS12.C T5SHAS12.
C T6SHAS12.C
T7SHAS12.C T8SHAS12.
C T9SHAS12.C
T10SHAS12.C
  T11SHAS12.C
T12SHAS12.C
  WITH
  T0SHAS12.B
T1SHAS12.B T2SHAS12.B
T3SHAS12.B T4SHAS12.B
T5SHAS12.B T6SHAS12.B
T7SHAS12.B T8SHAS12.B
T9SHAS12.B T10SHAS12.
B
  T11SHAS12.B
T12SHAS12.B
  T0SHAS12.C
T1SHAS12.C T2SHAS12.
C T3SHAS12.C
T4SHAS12.C T5SHAS12.
C T6SHAS12.C
T7SHAS12.C T8SHAS12.
C T9SHAS12.C
T10SHAS12.C
  T11SHAS12.C
T12SHAS12.C
  T0SHAS12.A
T1SHAS12.A T2SHAS12.
A T3SHAS12.A
T4SHAS12.A T5SHAS12.
A T6SHAS12.A
T7SHAS12.A T8SHAS12.
A T9SHAS12.A
T10SHAS12.A
  T11SHAS12.A
T12SHAS12.A (PAIRED)
/STATISTICS
DESCRIPTIVES
/MISSING ANALYSIS.
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Notes

Resources	Processor Time	00:00:00.06
	Elapsed Time	00:00:00.00
	Number of Cases Allowed ^a	71493

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T0SHAS12.A	19	1.16	.375	1	2
T1SHAS12.A	16	1.25	.447	1	2
T2SHAS12.A	17	1.24	.437	1	2
T3SHAS12.A	19	1.42	.769	1	3
T4SHAS12.A	19	1.63	.831	1	4
T5SHAS12.A	19	1.84	1.068	1	4
T6SHAS12.A	19	2.42	1.805	1	8
T7SHAS12.A	19	2.37	2.060	1	9
T8SHAS12.A	19	2.37	1.832	1	8
T9SHAS12.A	19	1.68	1.416	1	7
T10SHAS12.A	19	1.84	1.302	1	6
T11SHAS12.A	19	1.68	1.455	1	7
T12SHAS12.A	18	1.67	1.328	1	5
T0SHAS12.B	19	1.16	.375	1	2
T1SHAS12.B	18	1.11	.323	1	2
T2SHAS12.B	19	1.11	.315	1	2
T3SHAS12.B	19	1.16	.375	1	2
T4SHAS12.B	19	1.16	.375	1	2
T5SHAS12.B	19	1.37	.597	1	3
T6SHAS12.B	19	1.32	.671	1	3
T7SHAS12.B	19	1.37	.684	1	3
T8SHAS12.B	18	1.28	.575	1	3
T9SHAS12.B	19	1.21	.419	1	2
T10SHAS12.B	19	1.26	.452	1	2
T11SHAS12.B	18	1.39	.778	1	4
T12SHAS12.B	17	1.18	.393	1	2
T0SHAS12.C	18	1.00	.000	1	1
T1SHAS12.C	18	1.06	.236	1	2
T2SHAS12.C	17	1.06	.243	1	2
T3SHAS12.C	18	1.17	.383	1	2
T4SHAS12.C	18	1.67	.907	1	4
T5SHAS12.C	18	2.11	1.079	1	4
T6SHAS12.C	18	2.17	1.543	1	6

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T7SHAS12.C	18	2.17	1.618	1	7
T8SHAS12.C	18	1.94	1.552	1	7
T9SHAS12.C	18	1.72	.958	1	4
T10SHAS12.C	18	1.56	.705	1	3
T11SHAS12.C	17	1.53	.874	1	4
T12SHAS12.C	17	1.35	.606	1	3

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T0SHAS12.B - T0SHAS12.A	Negative Ranks	1 ^a	1.50	1.50
	Positive Ranks	1 ^b	1.50	1.50
	Ties	17 ^c		
	Total	19		
T1SHAS12.B - T1SHAS12.A	Negative Ranks	3 ^d	2.00	6.00
	Positive Ranks	0 ^e	.00	.00
	Ties	12 ^f		
	Total	15		
T2SHAS12.B - T2SHAS12.A	Negative Ranks	2 ^g	1.50	3.00
	Positive Ranks	0 ^h	.00	.00
	Ties	15 ⁱ		
	Total	17		
T3SHAS12.B - T3SHAS12.A	Negative Ranks	4 ^j	3.25	13.00
	Positive Ranks	1 ^k	2.00	2.00
	Ties	14 ^l		
	Total	19		
T4SHAS12.B - T4SHAS12.A	Negative Ranks	7 ^m	4.00	28.00
	Positive Ranks	0 ⁿ	.00	.00
	Ties	12 ^o		
	Total	19		
T5SHAS12.B - T5SHAS12.A	Negative Ranks	7 ^p	5.14	36.00
	Positive Ranks	2 ^q	4.50	9.00
	Ties	10 ^r		
	Total	19		
T6SHAS12.B - T6SHAS12.A	Negative Ranks	10 ^s	5.50	55.00
	Positive Ranks	0 ^t	.00	.00
	Ties	9 ^u		
	Total	19		

Ranks

		N	Mean Rank	Sum of Ranks
T7SHAS12.B - T7SHAS12.A	Negative Ranks	8 ^v	5.25	42.00
	Positive Ranks	1 ^w	3.00	3.00
	Ties	10 ^x		
	Total	19		
T8SHAS12.B - T8SHAS12.A	Negative Ranks	10 ^y	5.50	55.00
	Positive Ranks	0 ^z	.00	.00
	Ties	8 ^{aa}		
	Total	18		
T9SHAS12.B - T9SHAS12.A	Negative Ranks	6 ^{ab}	4.67	28.00
	Positive Ranks	2 ^{ac}	4.00	8.00
	Ties	11 ^{ad}		
	Total	19		
T10SHAS12.B - T10SHAS12.A	Negative Ranks	7 ^{ae}	4.64	32.50
	Positive Ranks	1 ^{af}	3.50	3.50
	Ties	11 ^{ag}		
	Total	19		
T11SHAS12.B - T11SHAS12.A	Negative Ranks	3 ^{ah}	3.33	10.00
	Positive Ranks	2 ^{ai}	2.50	5.00
	Ties	13 ^{aj}		
	Total	18		
T12SHAS12.B - T12SHAS12.A	Negative Ranks	3 ^{ak}	3.67	11.00
	Positive Ranks	2 ^{al}	2.00	4.00
	Ties	11 ^{am}		
	Total	16		
T0SHAS12.C - T0SHAS12.B	Negative Ranks	3 ^{an}	2.00	6.00
	Positive Ranks	0 ^{ao}	.00	.00
	Ties	15 ^{ap}		
	Total	18		
T1SHAS12.C - T1SHAS12.B	Negative Ranks	2 ^{aq}	2.00	4.00
	Positive Ranks	1 ^{ar}	2.00	2.00
	Ties	14 ^{as}		
	Total	17		
T2SHAS12.C - T2SHAS12.B	Negative Ranks	2 ^{at}	2.00	4.00
	Positive Ranks	1 ^{au}	2.00	2.00
	Ties	14 ^{av}		
	Total	17		
T3SHAS12.C - T3SHAS12.B	Negative Ranks	2 ^{aw}	2.50	5.00
	Positive Ranks	2 ^{ax}	2.50	5.00

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	14 ^{ay}		
	Total	18		
T4SHAS12.C - T4SHAS12.B	Negative Ranks	2 ^{az}	4.50	9.00
	Positive Ranks	8 ^{ba}	5.75	46.00
	Ties	8 ^{bb}		
	Total	18		
T5SHAS12.C - T5SHAS12.B	Negative Ranks	1 ^{bc}	2.50	2.50
	Positive Ranks	8 ^{bd}	5.31	42.50
	Ties	9 ^{be}		
	Total	18		
T6SHAS12.C - T6SHAS12.B	Negative Ranks	0 ^{bf}	.00	.00
	Positive Ranks	9 ^{bg}	5.00	45.00
	Ties	9 ^{bh}		
	Total	18		
T7SHAS12.C - T7SHAS12.B	Negative Ranks	0 ^{bi}	.00	.00
	Positive Ranks	9 ^{bj}	5.00	45.00
	Ties	9 ^{bk}		
	Total	18		
T8SHAS12.C - T8SHAS12.B	Negative Ranks	1 ^{bl}	2.00	2.00
	Positive Ranks	6 ^{bm}	4.33	26.00
	Ties	10 ^{bn}		
	Total	17		
T9SHAS12.C - T9SHAS12.B	Negative Ranks	0 ^{bo}	.00	.00
	Positive Ranks	6 ^{bp}	3.50	21.00
	Ties	12 ^{bq}		
	Total	18		
T10SHAS12.C - T10SHAS12.B	Negative Ranks	1 ^{br}	3.00	3.00
	Positive Ranks	5 ^{bs}	3.60	18.00
	Ties	12 ^{bt}		
	Total	18		
T11SHAS12.C - T11SHAS12.B	Negative Ranks	2 ^{bu}	3.50	7.00
	Positive Ranks	4 ^{bv}	3.50	14.00
	Ties	10 ^{bw}		
	Total	16		
T12SHAS12.C - T12SHAS12.B	Negative Ranks	2 ^{bx}	3.00	6.00
	Positive Ranks	3 ^{by}	3.00	9.00
	Ties	10 ^{bz}		
	Total	15		

Ranks

		N	Mean Rank	Sum of Ranks
T0SHAS12.A - T0SHAS12.C	Negative Ranks	0 ^{ca}	.00	.00
	Positive Ranks	3 ^{cb}	2.00	6.00
	Ties	15 ^{cc}		
	Total	18		
T1SHAS12.A - T1SHAS12.C	Negative Ranks	0 ^{cd}	.00	.00
	Positive Ranks	3 ^{ce}	2.00	6.00
	Ties	13 ^{cf}		
	Total	16		
T2SHAS12.A - T2SHAS12.C	Negative Ranks	0 ^{cg}	.00	.00
	Positive Ranks	3 ^{ch}	2.00	6.00
	Ties	13 ^{ci}		
	Total	16		
T3SHAS12.A - T3SHAS12.C	Negative Ranks	1 ^{cj}	3.00	3.00
	Positive Ranks	5 ^{ck}	3.60	18.00
	Ties	12 ^{cl}		
	Total	18		
T4SHAS12.A - T4SHAS12.C	Negative Ranks	3 ^{cm}	5.33	16.00
	Positive Ranks	5 ^{cn}	4.00	20.00
	Ties	10 ^{co}		
	Total	18		
T5SHAS12.A - T5SHAS12.C	Negative Ranks	6 ^{cp}	5.75	34.50
	Positive Ranks	3 ^{cq}	3.50	10.50
	Ties	9 ^{cr}		
	Total	18		
T6SHAS12.A - T6SHAS12.C	Negative Ranks	4 ^{cs}	5.88	23.50
	Positive Ranks	5 ^{ct}	4.30	21.50
	Ties	9 ^{cu}		
	Total	18		
T7SHAS12.A - T7SHAS12.C	Negative Ranks	4 ^{cv}	4.38	17.50
	Positive Ranks	3 ^{cw}	3.50	10.50
	Ties	11 ^{cx}		
	Total	18		
T8SHAS12.A - T8SHAS12.C	Negative Ranks	3 ^{cy}	5.33	16.00
	Positive Ranks	5 ^{cz}	4.00	20.00
	Ties	10 ^{da}		
	Total	18		
T9SHAS12.A - T9SHAS12.C	Negative Ranks	5 ^{db}	3.00	15.00
	Positive Ranks	0 ^{dc}	.00	.00

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	13 ^{dd}		
	Total	18		
T10SHAS12.A - T10SHAS12.C	Negative Ranks	2 ^{de}	2.00	4.00
	Positive Ranks	2 ^{df}	3.00	6.00
	Ties	14 ^{dg}		
	Total	18		
T11SHAS12.A - T11SHAS12.C	Negative Ranks	4 ^{dh}	3.50	14.00
	Positive Ranks	2 ^{di}	3.50	7.00
	Ties	11 ^{dj}		
	Total	17		
T12SHAS12.A - T12SHAS12.C	Negative Ranks	2 ^{dk}	2.00	4.00
	Positive Ranks	2 ^{dl}	3.00	6.00
	Ties	12 ^{dm}		
	Total	16		

- a. T0SHAS12.B < T0SHAS12.A
- b. T0SHAS12.B > T0SHAS12.A
- c. T0SHAS12.B = T0SHAS12.A
- d. T1SHAS12.B < T1SHAS12.A
- e. T1SHAS12.B > T1SHAS12.A
- f. T1SHAS12.B = T1SHAS12.A
- g. T2SHAS12.B < T2SHAS12.A
- h. T2SHAS12.B > T2SHAS12.A
- i. T2SHAS12.B = T2SHAS12.A
- j. T3SHAS12.B < T3SHAS12.A
- k. T3SHAS12.B > T3SHAS12.A
- l. T3SHAS12.B = T3SHAS12.A
- m. T4SHAS12.B < T4SHAS12.A
- n. T4SHAS12.B > T4SHAS12.A
- o. T4SHAS12.B = T4SHAS12.A
- p. T5SHAS12.B < T5SHAS12.A

p. T5SHAS12.B < T5SHAS12.A
q. T5SHAS12.B > T5SHAS12.A
r. T5SHAS12.B = T5SHAS12.A
s. T6SHAS12.B < T6SHAS12.A
t. T6SHAS12.B > T6SHAS12.A
u. T6SHAS12.B = T6SHAS12.A
v. T7SHAS12.B < T7SHAS12.A
w. T7SHAS12.B > T7SHAS12.A
x. T7SHAS12.B = T7SHAS12.A
y. T8SHAS12.B < T8SHAS12.A
z. T8SHAS12.B > T8SHAS12.A
aa. T8SHAS12.B = T8SHAS12.A
ab. T9SHAS12.B < T9SHAS12.A
ac. T9SHAS12.B > T9SHAS12.A
ad. T9SHAS12.B = T9SHAS12.A
ae. T10SHAS12.B < T10SHAS12.A
af. T10SHAS12.B > T10SHAS12.A
ag. T10SHAS12.B = T10SHAS12.A
ah. T11SHAS12.B < T11SHAS12.A
ai. T11SHAS12.B > T11SHAS12.A
aj. T11SHAS12.B = T11SHAS12.A
ak. T12SHAS12.B < T12SHAS12.A
al. T12SHAS12.B > T12SHAS12.A
am. T12SHAS12.B = T12SHAS12.A
an. T0SHAS12.C < T0SHAS12.B
ao. T0SHAS12.C > T0SHAS12.B
ap. T0SHAS12.C = T0SHAS12.B
aq. T1SHAS12.C < T1SHAS12.B
ar. T1SHAS12.C > T1SHAS12.B
as. T1SHAS12.C = T1SHAS12.B
at. T2SHAS12.C < T2SHAS12.B
au. T2SHAS12.C > T2SHAS12.B
av. T2SHAS12.C = T2SHAS12.B
aw. T3SHAS12.C < T3SHAS12.B
ax. T3SHAS12.C > T3SHAS12.B
ay. T3SHAS12.C = T3SHAS12.B
az. T4SHAS12.C < T4SHAS12.B
ba. T4SHAS12.C > T4SHAS12.B
bb. T4SHAS12.C = T4SHAS12.B
bc. T5SHAS12.C < T5SHAS12.B
bd. T5SHAS12.C > T5SHAS12.B
be. T5SHAS12.C = T5SHAS12.B
bf. T6SHAS12.C < T6SHAS12.B
bg. T6SHAS12.C > T6SHAS12.B
bh. T6SHAS12.C = T6SHAS12.B

bh. $T6SHAS12.C = T6SHAS12.B$
bi. $T7SHAS12.C < T7SHAS12.B$
bj. $T7SHAS12.C > T7SHAS12.B$
bk. $T7SHAS12.C = T7SHAS12.B$
bl. $T8SHAS12.C < T8SHAS12.B$
bm. $T8SHAS12.C > T8SHAS12.B$
bn. $T8SHAS12.C = T8SHAS12.B$
bo. $T9SHAS12.C < T9SHAS12.B$
bp. $T9SHAS12.C > T9SHAS12.B$
bq. $T9SHAS12.C = T9SHAS12.B$
br. $T10SHAS12.C < T10SHAS12.B$
bs. $T10SHAS12.C > T10SHAS12.B$
bt. $T10SHAS12.C = T10SHAS12.B$
bu. $T11SHAS12.C < T11SHAS12.B$
bv. $T11SHAS12.C > T11SHAS12.B$
bw. $T11SHAS12.C = T11SHAS12.B$
bx. $T12SHAS12.C < T12SHAS12.B$
by. $T12SHAS12.C > T12SHAS12.B$
bz. $T12SHAS12.C = T12SHAS12.B$
ca. $T0SHAS12.A < T0SHAS12.C$
cb. $T0SHAS12.A > T0SHAS12.C$
cc. $T0SHAS12.A = T0SHAS12.C$
cd. $T1SHAS12.A < T1SHAS12.C$
ce. $T1SHAS12.A > T1SHAS12.C$
cf. $T1SHAS12.A = T1SHAS12.C$
cg. $T2SHAS12.A < T2SHAS12.C$
ch. $T2SHAS12.A > T2SHAS12.C$
ci. $T2SHAS12.A = T2SHAS12.C$
cj. $T3SHAS12.A < T3SHAS12.C$
ck. $T3SHAS12.A > T3SHAS12.C$
cl. $T3SHAS12.A = T3SHAS12.C$
cm. $T4SHAS12.A < T4SHAS12.C$
cn. $T4SHAS12.A > T4SHAS12.C$
co. $T4SHAS12.A = T4SHAS12.C$
cp. $T5SHAS12.A < T5SHAS12.C$
cq. $T5SHAS12.A > T5SHAS12.C$
cr. $T5SHAS12.A = T5SHAS12.C$
cs. $T6SHAS12.A < T6SHAS12.C$
ct. $T6SHAS12.A > T6SHAS12.C$
cu. $T6SHAS12.A = T6SHAS12.C$
cv. $T7SHAS12.A < T7SHAS12.C$
cw. $T7SHAS12.A > T7SHAS12.C$
cx. $T7SHAS12.A = T7SHAS12.C$
cy. $T8SHAS12.A < T8SHAS12.C$
-- $T8SHAS12.A = T8SHAS12.C$

- cz. T8SHAS12.A > T8SHAS12.C
- da. T8SHAS12.A = T8SHAS12.C
- db. T9SHAS12.A < T9SHAS12.C
- dc. T9SHAS12.A > T9SHAS12.C
- dd. T9SHAS12.A = T9SHAS12.C
- de. T10SHAS12.A < T10SHAS12.C
- df. T10SHAS12.A > T10SHAS12.C
- dg. T10SHAS12.A = T10SHAS12.C
- dh. T11SHAS12.A < T11SHAS12.C
- di. T11SHAS12.A > T11SHAS12.C
- dj. T11SHAS12.A = T11SHAS12.C
- dk. T12SHAS12.A < T12SHAS12.C
- dl. T12SHAS12.A > T12SHAS12.C
- dm. T12SHAS12.A = T12SHAS12.C

Test Statistics^a

	T0SHAS12.B - T0SHAS12.A	T1SHAS12.B - T1SHAS12.A	T2SHAS12.B - T2SHAS12.A	T3SHAS12.B - T3SHAS12.A
Z	.000 ^b	-1.732 ^c	-1.414 ^c	-1.518 ^c
Asymp. Sig. (2-tailed)	1.000	.083	.157	.129

Test Statistics^a

	T4SHAS12.B - T4SHAS12.A	T5SHAS12.B - T5SHAS12.A	T6SHAS12.B - T6SHAS12.A	T7SHAS12.B - T7SHAS12.A
Z	-2.460 ^c	-1.628 ^c	-2.848 ^c	-2.354 ^c
Asymp. Sig. (2-tailed)	.014	.103	.004	.019

Test Statistics^a

	T8SHAS12.B - T8SHAS12.A	T9SHAS12.B - T9SHAS12.A	T10SHAS12.B - T10SHAS12.A	T11SHAS12.B - T11SHAS12.A
Z	-2.848 ^c	-1.508 ^c	-2.124 ^c	-.707 ^c
Asymp. Sig. (2-tailed)	.004	.132	.034	.480

Test Statistics^a

	T12SHAS12.B - T12SHAS12.A	T0SHAS12.C - T0SHAS12.B	T1SHAS12.C - T1SHAS12.B	T2SHAS12.C - T2SHAS12.B
Z	-.966 ^c	-1.732 ^c	-.577 ^c	-.577 ^c
Asymp. Sig. (2-tailed)	.334	.083	.564	.564

Test Statistics^a

	T3SHAS12.C - T3SHAS12.B	T4SHAS12.C - T4SHAS12.B	T5SHAS12.C - T5SHAS12.B	T6SHAS12.C - T6SHAS12.B
Z	.000 ^b	-1.998 ^d	-2.412 ^d	-2.751 ^d
Asymp. Sig. (2-tailed)	1.000	.046	.016	.006

Test Statistics^a

	T7SHAS12.C - T7SHAS12.B	T8SHAS12.C - T8SHAS12.B	T9SHAS12.C - T9SHAS12.B	T10SHAS12.C - T10SHAS12.B
Z	-2.807 ^d	-2.047 ^d	-2.251 ^d	-1.667 ^d
Asymp. Sig. (2-tailed)	.005	.041	.024	.096

Test Statistics^a

	T11SHAS12.C - T11SHAS12.B	T12SHAS12.C - T12SHAS12.B	T0SHAS12.A - T0SHAS12.C	T1SHAS12.A - T1SHAS12.C
Z	-.816 ^d	-.447 ^d	-1.732 ^d	-1.732 ^d
Asymp. Sig. (2-tailed)	.414	.655	.083	.083

Test Statistics^a

	T2SHAS12.A - T2SHAS12.C	T3SHAS12.A - T3SHAS12.C	T4SHAS12.A - T4SHAS12.C	T5SHAS12.A - T5SHAS12.C
Z	-1.732 ^d	-1.667 ^d	-.302 ^d	-1.473 ^c
Asymp. Sig. (2-tailed)	.083	.096	.763	.141

Test Statistics^a

	T6SHAS12.A - T6SHAS12.C	T7SHAS12.A - T7SHAS12.C	T8SHAS12.A - T8SHAS12.C	T9SHAS12.A - T9SHAS12.C
Z	-.122 ^c	-.604 ^c	-.288 ^d	-2.121 ^c
Asymp. Sig. (2-tailed)	.903	.546	.774	.034

Test Statistics^a

	T10SHAS12.A - T10SHAS12.C	T11SHAS12.A - T11SHAS12.C	T12SHAS12.A - T12SHAS12.C
Z	-.378 ^d	-.816 ^c	-.378 ^d
Asymp. Sig. (2-tailed)	.705	.414	.705

a. Wilcoxon Signed Ranks Test

b. The sum of negative ranks equals the sum of positive ranks.

c. Based on positive ranks.

d. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:36
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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.

Notes

Syntax

NPAR TESTS

```
/WILCOXON=T0SHAS13.  
A T1SHAS13.A  
T2SHAS13.A T3SHAS13.  
A T4SHAS13.A  
T5SHAS13.A T6SHAS13.  
A T7SHAS13.A  
T8SHAS13.A T9SHAS13.  
A T10SHAS13.A  
T11SHAS13.A  
T12SHAS13.A  
T0SHAS13.B  
T1SHAS13.B T2SHAS13.B  
T3SHAS13.B T4SHAS13.B  
T5SHAS13.B T6SHAS13.B  
T7SHAS13.B T8SHAS13.B  
T9SHAS13.B T10SHAS13.  
B  
T11SHAS13.B  
T12SHAS13.B  
T0SHAS13.C  
T1SHAS13.C T2SHAS13.  
C T3SHAS13.C  
T4SHAS13.C T5SHAS13.  
C T6SHAS13.C  
T7SHAS13.C T8SHAS13.  
C T9SHAS13.C  
T10SHAS13.C  
T11SHAS13.C  
T12SHAS13.C  
WITH  
T0SHAS13.B  
T1SHAS13.B T2SHAS13.B  
T3SHAS13.B T4SHAS13.B  
T5SHAS13.B T6SHAS13.B  
T7SHAS13.B T8SHAS13.B  
T9SHAS13.B T10SHAS13.  
B  
T11SHAS13.B  
T12SHAS13.B  
T0SHAS13.C  
T1SHAS13.C T2SHAS13.  
C T3SHAS13.C  
T4SHAS13.C T5SHAS13.  
C T6SHAS13.C  
T7SHAS13.C T8SHAS13.  
C T9SHAS13.C  
T10SHAS13.C  
T11SHAS13.C  
T12SHAS13.C  
T0SHAS13.A  
T1SHAS13.A T2SHAS13.  
A T3SHAS13.A  
T4SHAS13.A T5SHAS13.  
A T6SHAS13.A  
T7SHAS13.A T8SHAS13.  
A T9SHAS13.A  
T10SHAS13.A  
T11SHAS13.A  
T12SHAS13.A (PAIRED)  
/STATISTICS  
DESCRIPTIVES  
/MISSING ANALYSIS.
```

Notes

Resources	Processor Time	00:00:00.06
	Elapsed Time	00:00:00.00
	Number of Cases Allowed ^a	71493

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T0SHAS13.A	19	1.00	.000	1	1
T1SHAS13.A	16	1.31	.479	1	2
T2SHAS13.A	17	1.35	.606	1	3
T3SHAS13.A	19	1.32	.582	1	3
T4SHAS13.A	19	1.53	.841	1	3
T5SHAS13.A	19	1.84	1.385	1	6
T6SHAS13.A	19	1.89	1.524	1	7
T7SHAS13.A	18	1.89	1.641	1	7
T8SHAS13.A	19	1.63	1.165	1	5
T9SHAS13.A	19	1.58	1.071	1	5
T10SHAS13.A	19	1.37	.684	1	3
T11SHAS13.A	19	1.21	.419	1	2
T12SHAS13.A	18	1.22	.428	1	2
T0SHAS13.B	18	1.00	.000	1	1
T1SHAS13.B	18	1.06	.236	1	2
T2SHAS13.B	19	1.00	.000	1	1
T3SHAS13.B	19	1.05	.229	1	2
T4SHAS13.B	19	1.11	.315	1	2
T5SHAS13.B	19	1.11	.315	1	2
T6SHAS13.B	19	1.05	.229	1	2
T7SHAS13.B	19	1.05	.229	1	2
T8SHAS13.B	18	1.11	.323	1	2
T9SHAS13.B	19	1.11	.315	1	2
T10SHAS13.B	19	1.21	.535	1	3
T11SHAS13.B	18	1.17	.383	1	2
T12SHAS13.B	17	1.12	.332	1	2
T0SHAS13.C	18	1.00	.000	1	1
T1SHAS13.C	18	1.17	.383	1	2
T2SHAS13.C	17	1.06	.243	1	2
T3SHAS13.C	18	1.28	.461	1	2
T4SHAS13.C	18	1.33	.594	1	3
T5SHAS13.C	18	1.78	1.003	1	4
T6SHAS13.C	18	1.72	.895	1	4

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T7SHAS13.C	18	1.78	1.166	1	5
T8SHAS13.C	18	1.44	1.042	1	5
T9SHAS13.C	17	1.35	.786	1	4
T10SHAS13.C	18	1.28	.752	1	4
T11SHAS13.C	17	1.29	.588	1	3
T12SHAS13.C	17	1.29	.588	1	3

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T0SHAS13.B - T0SHAS13.A	Negative Ranks	0 ^a	.00	.00
	Positive Ranks	0 ^b	.00	.00
	Ties	18 ^c		
	Total	18		
T1SHAS13.B - T1SHAS13.A	Negative Ranks	5 ^d	3.50	17.50
	Positive Ranks	1 ^e	3.50	3.50
	Ties	9 ^f		
	Total	15		
T2SHAS13.B - T2SHAS13.A	Negative Ranks	5 ^g	3.00	15.00
	Positive Ranks	0 ^h	.00	.00
	Ties	12 ⁱ		
	Total	17		
T3SHAS13.B - T3SHAS13.A	Negative Ranks	4 ^j	2.50	10.00
	Positive Ranks	0 ^k	.00	.00
	Ties	15 ^l		
	Total	19		
T4SHAS13.B - T4SHAS13.A	Negative Ranks	5 ^m	3.90	19.50
	Positive Ranks	1 ⁿ	1.50	1.50
	Ties	13 ^o		
	Total	19		
T5SHAS13.B - T5SHAS13.A	Negative Ranks	6 ^p	4.42	26.50
	Positive Ranks	1 ^q	1.50	1.50
	Ties	12 ^r		
	Total	19		
T6SHAS13.B - T6SHAS13.A	Negative Ranks	7 ^s	4.00	28.00
	Positive Ranks	0 ^t	.00	.00
	Ties	12 ^u		
	Total	19		

Ranks

		N	Mean Rank	Sum of Ranks
T7SHAS13.B - T7SHAS13.A	Negative Ranks	7 ^v	4.00	28.00
	Positive Ranks	0 ^w	.00	.00
	Ties	11 ^x		
	Total	18		
T8SHAS13.B - T8SHAS13.A	Negative Ranks	6 ^y	3.50	21.00
	Positive Ranks	0 ^z	.00	.00
	Ties	12 ^{aa}		
	Total	18		
T9SHAS13.B - T9SHAS13.A	Negative Ranks	5 ^{ab}	3.00	15.00
	Positive Ranks	0 ^{ac}	.00	.00
	Ties	14 ^{ad}		
	Total	19		
T10SHAS13.B - T10SHAS13.A	Negative Ranks	4 ^{ae}	2.63	10.50
	Positive Ranks	1 ^{af}	4.50	4.50
	Ties	14 ^{ag}		
	Total	19		
T11SHAS13.B - T11SHAS13.A	Negative Ranks	2 ^{ah}	2.00	4.00
	Positive Ranks	1 ^{ai}	2.00	2.00
	Ties	15 ^{aj}		
	Total	18		
T12SHAS13.B - T12SHAS13.A	Negative Ranks	2 ^{ak}	2.00	4.00
	Positive Ranks	1 ^{al}	2.00	2.00
	Ties	13 ^{am}		
	Total	16		
T0SHAS13.C - T0SHAS13.B	Negative Ranks	0 ^{an}	.00	.00
	Positive Ranks	0 ^{ao}	.00	.00
	Ties	17 ^{ap}		
	Total	17		
T1SHAS13.C - T1SHAS13.B	Negative Ranks	1 ^{aq}	2.50	2.50
	Positive Ranks	3 ^{ar}	2.50	7.50
	Ties	13 ^{as}		
	Total	17		
T2SHAS13.C - T2SHAS13.B	Negative Ranks	0 ^{at}	.00	.00
	Positive Ranks	1 ^{au}	1.00	1.00
	Ties	16 ^{av}		
	Total	17		
T3SHAS13.C - T3SHAS13.B	Negative Ranks	1 ^{aw}	3.50	3.50
	Positive Ranks	5 ^{ax}	3.50	17.50

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	12 ^{ay}		
	Total	18		
T4SHAS13.C - T4SHAS13.B	Negative Ranks	0 ^{az}	.00	.00
	Positive Ranks	3 ^{ba}	2.00	6.00
	Ties	15 ^{bb}		
	Total	18		
T5SHAS13.C - T5SHAS13.B	Negative Ranks	0 ^{bc}	.00	.00
	Positive Ranks	7 ^{bd}	4.00	28.00
	Ties	11 ^{be}		
	Total	18		
T6SHAS13.C - T6SHAS13.B	Negative Ranks	0 ^{bf}	.00	.00
	Positive Ranks	8 ^{bg}	4.50	36.00
	Ties	10 ^{bh}		
	Total	18		
T7SHAS13.C - T7SHAS13.B	Negative Ranks	0 ^{bi}	.00	.00
	Positive Ranks	7 ^{bj}	4.00	28.00
	Ties	11 ^{bk}		
	Total	18		
T8SHAS13.C - T8SHAS13.B	Negative Ranks	1 ^{bl}	2.00	2.00
	Positive Ranks	4 ^{bm}	3.25	13.00
	Ties	12 ^{bn}		
	Total	17		
T9SHAS13.C - T9SHAS13.B	Negative Ranks	0 ^{bo}	.00	.00
	Positive Ranks	3 ^{bp}	2.00	6.00
	Ties	14 ^{bq}		
	Total	17		
T10SHAS13.C - T10SHAS13.B	Negative Ranks	1 ^{br}	2.50	2.50
	Positive Ranks	2 ^{bs}	1.75	3.50
	Ties	15 ^{bt}		
	Total	18		
T11SHAS13.C - T11SHAS13.B	Negative Ranks	1 ^{bu}	2.50	2.50
	Positive Ranks	3 ^{bv}	2.50	7.50
	Ties	12 ^{bw}		
	Total	16		
T12SHAS13.C - T12SHAS13.B	Negative Ranks	1 ^{bx}	2.00	2.00
	Positive Ranks	2 ^{by}	2.00	4.00
	Ties	12 ^{bz}		
	Total	15		

Ranks

		N	Mean Rank	Sum of Ranks
T0SHAS13.A - T0SHAS13. C	Negative Ranks	0 ^{ca}	.00	.00
	Positive Ranks	0 ^{cb}	.00	.00
	Ties	18 ^{cc}		
	Total	18		
T1SHAS13.A - T1SHAS13. C	Negative Ranks	0 ^{cd}	.00	.00
	Positive Ranks	2 ^{ce}	1.50	3.00
	Ties	14 ^{cf}		
	Total	16		
T2SHAS13.A - T2SHAS13. C	Negative Ranks	0 ^{cg}	.00	.00
	Positive Ranks	4 ^{ch}	2.50	10.00
	Ties	12 ^{ci}		
	Total	16		
T3SHAS13.A - T3SHAS13. C	Negative Ranks	3 ^{cj}	3.00	9.00
	Positive Ranks	3 ^{ck}	4.00	12.00
	Ties	12 ^{cl}		
	Total	18		
T4SHAS13.A - T4SHAS13. C	Negative Ranks	2 ^{cm}	2.00	4.00
	Positive Ranks	3 ^{cn}	3.67	11.00
	Ties	13 ^{co}		
	Total	18		
T5SHAS13.A - T5SHAS13. C	Negative Ranks	5 ^{cp}	3.40	17.00
	Positive Ranks	2 ^{cq}	5.50	11.00
	Ties	11 ^{cr}		
	Total	18		
T6SHAS13.A - T6SHAS13. C	Negative Ranks	4 ^{cs}	4.00	16.00
	Positive Ranks	3 ^{ct}	4.00	12.00
	Ties	11 ^{cu}		
	Total	18		
T7SHAS13.A - T7SHAS13. C	Negative Ranks	4 ^{cv}	3.25	13.00
	Positive Ranks	2 ^{cw}	4.00	8.00
	Ties	11 ^{cx}		
	Total	17		
T8SHAS13.A - T8SHAS13. C	Negative Ranks	4 ^{cy}	3.75	15.00
	Positive Ranks	3 ^{cz}	4.33	13.00
	Ties	11 ^{da}		
	Total	18		
T9SHAS13.A - T9SHAS13. C	Negative Ranks	2 ^{db}	2.00	4.00
	Positive Ranks	2 ^{dc}	3.00	6.00

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	13 ^{dd}		
	Total	17		
T10SHAS13.A - T10SHAS13.C	Negative Ranks	1 ^{de}	3.00	3.00
	Positive Ranks	2 ^{df}	1.50	3.00
	Ties	15 ^{dg}		
	Total	18		
T11SHAS13.A - T11SHAS13.C	Negative Ranks	2 ^{dh}	1.50	3.00
	Positive Ranks	0 ^{di}	.00	.00
	Ties	15 ^{dj}		
	Total	17		
T12SHAS13.A - T12SHAS13.C	Negative Ranks	2 ^{dk}	1.50	3.00
	Positive Ranks	0 ^{dl}	.00	.00
	Ties	14 ^{dm}		
	Total	16		

- a. T0SHAS13.B < T0SHAS13.A
- b. T0SHAS13.B > T0SHAS13.A
- c. T0SHAS13.B = T0SHAS13.A
- d. T1SHAS13.B < T1SHAS13.A
- e. T1SHAS13.B > T1SHAS13.A
- f. T1SHAS13.B = T1SHAS13.A
- g. T2SHAS13.B < T2SHAS13.A
- h. T2SHAS13.B > T2SHAS13.A
- i. T2SHAS13.B = T2SHAS13.A
- j. T3SHAS13.B < T3SHAS13.A
- k. T3SHAS13.B > T3SHAS13.A
- l. T3SHAS13.B = T3SHAS13.A
- m. T4SHAS13.B < T4SHAS13.A
- n. T4SHAS13.B > T4SHAS13.A
- o. T4SHAS13.B = T4SHAS13.A
- p. T5SHAS13.B < T5SHAS13.A

p. T5SHAS13.B < T5SHAS13.A
q. T5SHAS13.B > T5SHAS13.A
r. T5SHAS13.B = T5SHAS13.A
s. T6SHAS13.B < T6SHAS13.A
t. T6SHAS13.B > T6SHAS13.A
u. T6SHAS13.B = T6SHAS13.A
v. T7SHAS13.B < T7SHAS13.A
w. T7SHAS13.B > T7SHAS13.A
x. T7SHAS13.B = T7SHAS13.A
y. T8SHAS13.B < T8SHAS13.A
z. T8SHAS13.B > T8SHAS13.A
aa. T8SHAS13.B = T8SHAS13.A
ab. T9SHAS13.B < T9SHAS13.A
ac. T9SHAS13.B > T9SHAS13.A
ad. T9SHAS13.B = T9SHAS13.A
ae. T10SHAS13.B < T10SHAS13.A
af. T10SHAS13.B > T10SHAS13.A
ag. T10SHAS13.B = T10SHAS13.A
ah. T11SHAS13.B < T11SHAS13.A
ai. T11SHAS13.B > T11SHAS13.A
aj. T11SHAS13.B = T11SHAS13.A
ak. T12SHAS13.B < T12SHAS13.A
al. T12SHAS13.B > T12SHAS13.A
am. T12SHAS13.B = T12SHAS13.A
an. T0SHAS13.C < T0SHAS13.B
ao. T0SHAS13.C > T0SHAS13.B
ap. T0SHAS13.C = T0SHAS13.B
aq. T1SHAS13.C < T1SHAS13.B
ar. T1SHAS13.C > T1SHAS13.B
as. T1SHAS13.C = T1SHAS13.B
at. T2SHAS13.C < T2SHAS13.B
au. T2SHAS13.C > T2SHAS13.B
av. T2SHAS13.C = T2SHAS13.B
aw. T3SHAS13.C < T3SHAS13.B
ax. T3SHAS13.C > T3SHAS13.B
ay. T3SHAS13.C = T3SHAS13.B
az. T4SHAS13.C < T4SHAS13.B
ba. T4SHAS13.C > T4SHAS13.B
bb. T4SHAS13.C = T4SHAS13.B
bc. T5SHAS13.C < T5SHAS13.B
bd. T5SHAS13.C > T5SHAS13.B
be. T5SHAS13.C = T5SHAS13.B
bf. T6SHAS13.C < T6SHAS13.B
bg. T6SHAS13.C > T6SHAS13.B
bh. T6SHAS13.C = T6SHAS13.B

bh. T6SHAS13.C = T6SHAS13.B
bi. T7SHAS13.C < T7SHAS13.B
bj. T7SHAS13.C > T7SHAS13.B
bk. T7SHAS13.C = T7SHAS13.B
bl. T8SHAS13.C < T8SHAS13.B
bm. T8SHAS13.C > T8SHAS13.B
bn. T8SHAS13.C = T8SHAS13.B
bo. T9SHAS13.C < T9SHAS13.B
bp. T9SHAS13.C > T9SHAS13.B
bq. T9SHAS13.C = T9SHAS13.B
br. T10SHAS13.C < T10SHAS13.B
bs. T10SHAS13.C > T10SHAS13.B
bt. T10SHAS13.C = T10SHAS13.B
bu. T11SHAS13.C < T11SHAS13.B
bv. T11SHAS13.C > T11SHAS13.B
bw. T11SHAS13.C = T11SHAS13.B
bx. T12SHAS13.C < T12SHAS13.B
by. T12SHAS13.C > T12SHAS13.B
bz. T12SHAS13.C = T12SHAS13.B
ca. T0SHAS13.A < T0SHAS13.C
cb. T0SHAS13.A > T0SHAS13.C
cc. T0SHAS13.A = T0SHAS13.C
cd. T1SHAS13.A < T1SHAS13.C
ce. T1SHAS13.A > T1SHAS13.C
cf. T1SHAS13.A = T1SHAS13.C
cg. T2SHAS13.A < T2SHAS13.C
ch. T2SHAS13.A > T2SHAS13.C
ci. T2SHAS13.A = T2SHAS13.C
cj. T3SHAS13.A < T3SHAS13.C
ck. T3SHAS13.A > T3SHAS13.C
cl. T3SHAS13.A = T3SHAS13.C
cm. T4SHAS13.A < T4SHAS13.C
cn. T4SHAS13.A > T4SHAS13.C
co. T4SHAS13.A = T4SHAS13.C
cp. T5SHAS13.A < T5SHAS13.C
cq. T5SHAS13.A > T5SHAS13.C
cr. T5SHAS13.A = T5SHAS13.C
cs. T6SHAS13.A < T6SHAS13.C
ct. T6SHAS13.A > T6SHAS13.C
cu. T6SHAS13.A = T6SHAS13.C
cv. T7SHAS13.A < T7SHAS13.C
cw. T7SHAS13.A > T7SHAS13.C
cx. T7SHAS13.A = T7SHAS13.C
cy. T8SHAS13.A < T8SHAS13.C
-- T8SHAS13.A > T8SHAS13.C

- cz. T8SHAS13.A > T8SHAS13.C
- da. T8SHAS13.A = T8SHAS13.C
- db. T9SHAS13.A < T9SHAS13.C
- dc. T9SHAS13.A > T9SHAS13.C
- dd. T9SHAS13.A = T9SHAS13.C
- de. T10SHAS13.A < T10SHAS13.C
- df. T10SHAS13.A > T10SHAS13.C
- dg. T10SHAS13.A = T10SHAS13.C
- dh. T11SHAS13.A < T11SHAS13.C
- di. T11SHAS13.A > T11SHAS13.C
- dj. T11SHAS13.A = T11SHAS13.C
- dk. T12SHAS13.A < T12SHAS13.C
- dl. T12SHAS13.A > T12SHAS13.C
- dm. T12SHAS13.A = T12SHAS13.C

Test Statistics^a

	T0SHAS13.B - T0SHAS13.A	T1SHAS13.B - T1SHAS13.A	T2SHAS13.B - T2SHAS13.A	T3SHAS13.B - T3SHAS13.A
Z	.000 ^b	-1.633 ^c	-2.121 ^c	-1.890 ^c
Asymp. Sig. (2-tailed)	1.000	.102	.034	.059

Test Statistics^a

	T4SHAS13.B - T4SHAS13.A	T5SHAS13.B - T5SHAS13.A	T6SHAS13.B - T6SHAS13.A	T7SHAS13.B - T7SHAS13.A
Z	-1.947 ^c	-2.132 ^c	-2.388 ^c	-2.410 ^c
Asymp. Sig. (2-tailed)	.052	.033	.017	.016

Test Statistics^a

	T8SHAS13.B - T8SHAS13.A	T9SHAS13.B - T9SHAS13.A	T10SHAS13.B - T10SHAS13.A	T11SHAS13.B - T11SHAS13.A
Z	-2.264 ^c	-2.060 ^c	-.828 ^c	-.577 ^c
Asymp. Sig. (2-tailed)	.024	.039	.408	.564

Test Statistics^a

	T12SHAS13.B - T12SHAS13.A	T0SHAS13.C - T0SHAS13.B	T1SHAS13.C - T1SHAS13.B	T2SHAS13.C - T2SHAS13.B
Z	-.577 ^c	.000 ^b	-1.000 ^d	-1.000 ^d
Asymp. Sig. (2-tailed)	.564	1.000	.317	.317

Test Statistics ^a				
	T3SHAS13.C - T3SHAS13.B	T4SHAS13.C - T4SHAS13.B	T5SHAS13.C - T5SHAS13.B	T6SHAS13.C - T6SHAS13.B
Z	-1.633 ^d	-1.633 ^d	-2.414 ^d	-2.588 ^d
Asymp. Sig. (2-tailed)	.102	.102	.016	.010

Test Statistics ^a				
	T7SHAS13.C - T7SHAS13.B	T8SHAS13.C - T8SHAS13.B	T9SHAS13.C - T9SHAS13.B	T10SHAS13.C - T10SHAS13.B
Z	-2.414 ^d	-1.511 ^d	-1.633 ^d	-.272 ^d
Asymp. Sig. (2-tailed)	.016	.131	.102	.785

Test Statistics ^a				
	T11SHAS13.C - T11SHAS13.B	T12SHAS13.C - T12SHAS13.B	T0SHAS13.A - T0SHAS13.C	T1SHAS13.A - T1SHAS13.C
Z	-1.000 ^d	-.577 ^d	.000 ^b	-1.414 ^d
Asymp. Sig. (2-tailed)	.317	.564	1.000	.157

Test Statistics ^a				
	T2SHAS13.A - T2SHAS13.C	T3SHAS13.A - T3SHAS13.C	T4SHAS13.A - T4SHAS13.C	T5SHAS13.A - T5SHAS13.C
Z	-1.890 ^d	-.333 ^d	-.966 ^d	-.517 ^c
Asymp. Sig. (2-tailed)	.059	.739	.334	.605

Test Statistics ^a				
	T6SHAS13.A - T6SHAS13.C	T7SHAS13.A - T7SHAS13.C	T8SHAS13.A - T8SHAS13.C	T9SHAS13.A - T9SHAS13.C
Z	-.343 ^c	-.541 ^c	-.175 ^c	-.378 ^d
Asymp. Sig. (2-tailed)	.732	.589	.861	.705

Test Statistics ^a			
	T10SHAS13.A - T10SHAS13.C	T11SHAS13.A - T11SHAS13.C	T12SHAS13.A - T12SHAS13.C
Z	.000 ^b	-1.414 ^c	-1.414 ^c
Asymp. Sig. (2-tailed)	1.000	.157	.157

a. Wilcoxon Signed Ranks Test

b. The sum of negative ranks equals the sum of positive ranks.

c. Based on positive ranks.

d. Based on negative ranks.

Notes

Output Created		05-MAR-2025 21:25:37
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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		NPART TESTS /WILCOXON=T5DRUID. A T4DRUID.B T4DRUID.C WITH T4DRUID.B T4DRUID. C T5DRUID.A (PAIRED) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed^a	393216

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T5DRUID.A	20	43.225	5.2318	36.9	54.8
T4DRUID.B	20	42.085	3.9159	36.2	49.7
T4DRUID.C	20	43.305	5.0970	36.4	57.6

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T4DRUID.B - T5DRUID.A	Negative Ranks	11 ^a	12.00	132.00
	Positive Ranks	9 ^b	8.67	78.00
	Ties	0 ^c		
	Total	20		
T4DRUID.C - T4DRUID.B	Negative Ranks	11 ^d	7.73	85.00
	Positive Ranks	9 ^e	13.89	125.00
	Ties	0 ^f		
	Total	20		
T5DRUID.A - T4DRUID.C	Negative Ranks	10 ^g	11.75	117.50
	Positive Ranks	10 ^h	9.25	92.50
	Ties	0 ⁱ		
	Total	20		

- a. T4DRUID.B < T5DRUID.A
- b. T4DRUID.B > T5DRUID.A
- c. T4DRUID.B = T5DRUID.A
- d. T4DRUID.C < T4DRUID.B
- e. T4DRUID.C > T4DRUID.B
- f. T4DRUID.C = T4DRUID.B
- g. T5DRUID.A < T4DRUID.C
- h. T5DRUID.A > T4DRUID.C
- i. T5DRUID.A = T4DRUID.C

Test Statistics^a

	T4DRUID.B - T5DRUID.A	T4DRUID.C - T4DRUID.B	T5DRUID.A - T4DRUID.C
Z	-1.008 ^b	-.747 ^c	-.467 ^b
Asymp. Sig. (2-tailed)	.313	.455	.641

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.
- c. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:37
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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		NPART TESTS /WILCOXON=T5SHAS3.A T4SHAS3.B T4SHAS3.C WITH T4SHAS3.B T4SHAS3.C T5SHAS3.A (PAIRED) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed^a	393216

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T5SHAS3.A	19	1.74	1.368	1	6
T4SHAS3.B	19	1.00	.000	1	1
T4SHAS3.C	18	1.33	.594	1	3

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T4SHAS3.B - T5SHAS3.A	Negative Ranks	6 ^a	3.50	21.00
	Positive Ranks	0 ^b	.00	.00
	Ties	13 ^c		
	Total	19		
T4SHAS3.C - T4SHAS3.B	Negative Ranks	0 ^d	.00	.00
	Positive Ranks	5 ^e	3.00	15.00
	Ties	13 ^f		
	Total	18		
T5SHAS3.A - T4SHAS3.C	Negative Ranks	2 ^g	3.00	6.00
	Positive Ranks	6 ^h	5.00	30.00
	Ties	10 ⁱ		
	Total	18		

- a. T4SHAS3.B < T5SHAS3.A
- b. T4SHAS3.B > T5SHAS3.A
- c. T4SHAS3.B = T5SHAS3.A
- d. T4SHAS3.C < T4SHAS3.B
- e. T4SHAS3.C > T4SHAS3.B
- f. T4SHAS3.C = T4SHAS3.B
- g. T5SHAS3.A < T4SHAS3.C
- h. T5SHAS3.A > T4SHAS3.C
- i. T5SHAS3.A = T4SHAS3.C

Test Statistics^a

	T4SHAS3.B - T5SHAS3.A	T4SHAS3.C - T4SHAS3.B	T5SHAS3.A - T4SHAS3.C
Z	-2.214 ^b	-2.121 ^c	-1.725 ^c
Asymp. Sig. (2-tailed)	.027	.034	.084

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.
- c. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:37
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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		NPART TESTS /WILCOXON=T5SHAS4. A T4SHAS4.B T4SHAS4.C WITH T4SHAS4.B T4SHAS4. C T5SHAS4.A (PAIRED) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed^a	393216

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T5SHAS4.A	19	1.37	.684	1	3
T4SHAS4.B	19	1.00	.000	1	1
T4SHAS4.C	18	1.17	.514	1	3

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T4SHAS4.B - T5SHAS4.A	Negative Ranks	5 ^a	3.00	15.00
	Positive Ranks	0 ^b	.00	.00
	Ties	14 ^c		
	Total	19		
T4SHAS4.C - T4SHAS4.B	Negative Ranks	0 ^d	.00	.00
	Positive Ranks	2 ^e	1.50	3.00
	Ties	16 ^f		
	Total	18		
T5SHAS4.A - T4SHAS4.C	Negative Ranks	1 ^g	5.00	5.00
	Positive Ranks	4 ^h	2.50	10.00
	Ties	13 ⁱ		
	Total	18		

- a. T4SHAS4.B < T5SHAS4.A
- b. T4SHAS4.B > T5SHAS4.A
- c. T4SHAS4.B = T5SHAS4.A
- d. T4SHAS4.C < T4SHAS4.B
- e. T4SHAS4.C > T4SHAS4.B
- f. T4SHAS4.C = T4SHAS4.B
- g. T5SHAS4.A < T4SHAS4.C
- h. T5SHAS4.A > T4SHAS4.C
- i. T5SHAS4.A = T4SHAS4.C

Test Statistics^a

	T4SHAS4.B - T5SHAS4.A	T4SHAS4.C - T4SHAS4.B	T5SHAS4.A - T4SHAS4.C
Z	-2.070 ^b	-1.342 ^c	-.707 ^c
Asymp. Sig. (2-tailed)	.038	.180	.480

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.
- c. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:37
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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		NPART TESTS /WILCOXON=T5SHAS5.A T4SHAS5.B T4SHAS5.C WITH T4SHAS5.B T4SHAS5.C T5SHAS5.A (PAIRED) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed^a	393216

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T5SHAS5.A	19	1.37	.684	1	3
T4SHAS5.B	19	1.05	.229	1	2
T4SHAS5.C	18	1.11	.323	1	2

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T4SHAS5.B - T5SHAS5.A	Negative Ranks	5 ^a	3.70	18.50
	Positive Ranks	1 ^b	2.50	2.50
	Ties	13 ^c		
	Total	19		
T4SHAS5.C - T4SHAS5.B	Negative Ranks	1 ^d	2.00	2.00
	Positive Ranks	2 ^e	2.00	4.00
	Ties	15 ^f		
	Total	18		
T5SHAS5.A - T4SHAS5.C	Negative Ranks	1 ^g	2.50	2.50
	Positive Ranks	4 ^h	3.13	12.50
	Ties	13 ⁱ		
	Total	18		

- a. T4SHAS5.B < T5SHAS5.A
- b. T4SHAS5.B > T5SHAS5.A
- c. T4SHAS5.B = T5SHAS5.A
- d. T4SHAS5.C < T4SHAS5.B
- e. T4SHAS5.C > T4SHAS5.B
- f. T4SHAS5.C = T4SHAS5.B
- g. T5SHAS5.A < T4SHAS5.C
- h. T5SHAS5.A > T4SHAS5.C
- i. T5SHAS5.A = T4SHAS5.C

Test Statistics^a

	T4SHAS5.B - T5SHAS5.A	T4SHAS5.C - T4SHAS5.B	T5SHAS5.A - T4SHAS5.C
Z	-1.730 ^b	-.577 ^c	-1.414 ^c
Asymp. Sig. (2-tailed)	.084	.564	.157

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.
- c. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:37
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
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	Split File	<none>
	N of Rows in Working Data File	20
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=T5SHAS6. A T4SHAS6.B T4SHAS6.C WITH T4SHAS6.B T4SHAS6. C T5SHAS6.A (PAIRED) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed^a	393216

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T5SHAS6.A	19	1.21	.535	1	3
T4SHAS6.B	19	1.00	.000	1	1
T4SHAS6.C	18	1.06	.236	1	2

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T4SHAS6.B - T5SHAS6.A	Negative Ranks	3 ^a	2.00	6.00
	Positive Ranks	0 ^b	.00	.00
	Ties	16 ^c		
	Total	19		
T4SHAS6.C - T4SHAS6.B	Negative Ranks	0 ^d	.00	.00
	Positive Ranks	1 ^e	1.00	1.00
	Ties	17 ^f		
	Total	18		
T5SHAS6.A - T4SHAS6.C	Negative Ranks	1 ^g	2.00	2.00
	Positive Ranks	2 ^h	2.00	4.00
	Ties	15 ⁱ		
	Total	18		

- a. T4SHAS6.B < T5SHAS6.A
- b. T4SHAS6.B > T5SHAS6.A
- c. T4SHAS6.B = T5SHAS6.A
- d. T4SHAS6.C < T4SHAS6.B
- e. T4SHAS6.C > T4SHAS6.B
- f. T4SHAS6.C = T4SHAS6.B
- g. T5SHAS6.A < T4SHAS6.C
- h. T5SHAS6.A > T4SHAS6.C
- i. T5SHAS6.A = T4SHAS6.C

Test Statistics^a

	T4SHAS6.B - T5SHAS6.A	T4SHAS6.C - T4SHAS6.B	T5SHAS6.A - T4SHAS6.C
Z	-1.633 ^b	-1.000 ^c	-.577 ^c
Asymp. Sig. (2-tailed)	.102	.317	.564

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.
- c. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:37
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
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	Split File	<none>
	N of Rows in Working Data File	20
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=T5SHAS10. A T4SHAS10.B T4SHAS10.C WITH T4SHAS10.B T4SHAS10.C T5SHAS10. A (PAIRED) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed^a	393216

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T5SHAS10.A	19	2.37	1.300	1	6
T4SHAS10.B	19	1.00	.000	1	1
T4SHAS10.C	18	1.56	.856	1	4

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T4SHAS10.B - T5SHAS10.A	Negative Ranks	14 ^a	7.50	105.00
	Positive Ranks	0 ^b	.00	.00
	Ties	5 ^c		
	Total	19		
T4SHAS10.C - T4SHAS10.B	Negative Ranks	0 ^d	.00	.00
	Positive Ranks	7 ^e	4.00	28.00
	Ties	11 ^f		
	Total	18		
T5SHAS10.A - T4SHAS10.C	Negative Ranks	0 ^g	.00	.00
	Positive Ranks	10 ^h	5.50	55.00
	Ties	8 ⁱ		
	Total	18		

- a. T4SHAS10.B < T5SHAS10.A
- b. T4SHAS10.B > T5SHAS10.A
- c. T4SHAS10.B = T5SHAS10.A
- d. T4SHAS10.C < T4SHAS10.B
- e. T4SHAS10.C > T4SHAS10.B
- f. T4SHAS10.C = T4SHAS10.B
- g. T5SHAS10.A < T4SHAS10.C
- h. T5SHAS10.A > T4SHAS10.C
- i. T5SHAS10.A = T4SHAS10.C

Test Statistics^a

	T4SHAS10.B - T5SHAS10.A	T4SHAS10.C - T4SHAS10.B	T5SHAS10.A - T4SHAS10.C
Z	-3.352 ^b	-2.456 ^c	-3.051 ^c
Asymp. Sig. (2-tailed)	<.001	.014	.002

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.
- c. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:37
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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		NPART TESTS /WILCOXON=T5SHAS12.A T4SHAS12.B T4SHAS12.C WITH T4SHAS12.B T4SHAS12.C T5SHAS12.A (PAIRED) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed^a	393216

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T5SHAS12.A	19	1.84	1.068	1	4
T4SHAS12.B	19	1.16	.375	1	2
T4SHAS12.C	18	1.67	.907	1	4

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T4SHAS12.B - T5SHAS12. A	Negative Ranks	7 ^a	4.00	28.00
	Positive Ranks	0 ^b	.00	.00
	Ties	12 ^c		
	Total	19		
T4SHAS12.C - T4SHAS12. B	Negative Ranks	2 ^d	4.50	9.00
	Positive Ranks	8 ^e	5.75	46.00
	Ties	8 ^f		
	Total	18		
T5SHAS12.A - T4SHAS12. C	Negative Ranks	4 ^g	8.13	32.50
	Positive Ranks	8 ^h	5.69	45.50
	Ties	6 ⁱ		
	Total	18		

- a. T4SHAS12.B < T5SHAS12.A
- b. T4SHAS12.B > T5SHAS12.A
- c. T4SHAS12.B = T5SHAS12.A
- d. T4SHAS12.C < T4SHAS12.B
- e. T4SHAS12.C > T4SHAS12.B
- f. T4SHAS12.C = T4SHAS12.B
- g. T5SHAS12.A < T4SHAS12.C
- h. T5SHAS12.A > T4SHAS12.C
- i. T5SHAS12.A = T4SHAS12.C

Test Statistics^a

	T4SHAS12.B - T5SHAS12.A	T4SHAS12.C - T4SHAS12.B	T5SHAS12.A - T4SHAS12.C
Z	-2.414 ^b	-1.998 ^c	-.535 ^c
Asymp. Sig. (2-tailed)	.016	.046	.592

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.
- c. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:37
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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		NPART TESTS /WILCOXON=T5SHAS13.A T4SHAS13.B T4SHAS13.C WITH T4SHAS13.B T4SHAS13.C T5SHAS13.A (PAIRED) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed^a	393216

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T5SHAS13.A	19	1.84	1.385	1	6
T4SHAS13.B	19	1.11	.315	1	2
T4SHAS13.C	18	1.33	.594	1	3

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T4SHAS13.B - T5SHAS13. A	Negative Ranks	6 ^a	4.42	26.50
	Positive Ranks	1 ^b	1.50	1.50
	Ties	12 ^c		
	Total	19		
T4SHAS13.C - T4SHAS13. B	Negative Ranks	0 ^d	.00	.00
	Positive Ranks	3 ^e	2.00	6.00
	Ties	15 ^f		
	Total	18		
T5SHAS13.A - T4SHAS13. C	Negative Ranks	3 ^g	2.50	7.50
	Positive Ranks	4 ^h	5.13	20.50
	Ties	11 ⁱ		
	Total	18		

- a. T4SHAS13.B < T5SHAS13.A
- b. T4SHAS13.B > T5SHAS13.A
- c. T4SHAS13.B = T5SHAS13.A
- d. T4SHAS13.C < T4SHAS13.B
- e. T4SHAS13.C > T4SHAS13.B
- f. T4SHAS13.C = T4SHAS13.B
- g. T5SHAS13.A < T4SHAS13.C
- h. T5SHAS13.A > T4SHAS13.C
- i. T5SHAS13.A = T4SHAS13.C

Test Statistics^a

	T4SHAS13.B - T5SHAS13.A	T4SHAS13.C - T4SHAS13.B	T5SHAS13.A - T4SHAS13.C
Z	-2.132 ^b	-1.633 ^c	-1.121 ^c
Asymp. Sig. (2-tailed)	.033	.102	.262

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.
- c. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:37
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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		NPART TESTS /WILCOXON=T6DRUID. A T7DRUID.B T3DRUID.C WITH T7DRUID.B T3DRUID. C T6DRUID.A (PAIRED) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed^a	393216

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T6DRUID.A	20	43.890	5.7303	36.4	55.8
T7DRUID.B	20	42.415	5.6354	36.4	56.6
T3DRUID.C	18	43.122	5.3266	34.8	56.1

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T7DRUID.B - T6DRUID.A	Negative Ranks	13 ^a	11.35	147.50
	Positive Ranks	7 ^b	8.93	62.50
	Ties	0 ^c		
	Total	20		
T3DRUID.C - T7DRUID.B	Negative Ranks	9 ^d	8.61	77.50
	Positive Ranks	9 ^e	10.39	93.50
	Ties	0 ^f		
	Total	18		
T6DRUID.A - T3DRUID.C	Negative Ranks	8 ^g	8.88	71.00
	Positive Ranks	10 ^h	10.00	100.00
	Ties	0 ⁱ		
	Total	18		

- a. T7DRUID.B < T6DRUID.A
- b. T7DRUID.B > T6DRUID.A
- c. T7DRUID.B = T6DRUID.A
- d. T3DRUID.C < T7DRUID.B
- e. T3DRUID.C > T7DRUID.B
- f. T3DRUID.C = T7DRUID.B
- g. T6DRUID.A < T3DRUID.C
- h. T6DRUID.A > T3DRUID.C
- i. T6DRUID.A = T3DRUID.C

Test Statistics^a

	T7DRUID.B - T6DRUID.A	T3DRUID.C - T7DRUID.B	T6DRUID.A - T3DRUID.C
Z	-1.587 ^b	-.348 ^c	-.632 ^c
Asymp. Sig. (2-tailed)	.113	.728	.528

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.
- c. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:37
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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		NPART TESTS /WILCOXON=T5SHAS4. A T5SHAS4.B T7SHAS4.C WITH T5SHAS4.B T7SHAS4. C T5SHAS4.A (PAIRED) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed^a	393216

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T5SHAS4.A	19	1.37	.684	1	3
T5SHAS4.B	19	1.11	.459	1	3
T7SHAS4.C	18	1.44	.784	1	3

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T5SHAS4.B - T5SHAS4.A	Negative Ranks	4 ^a	2.50	10.00
	Positive Ranks	0 ^b	.00	.00
	Ties	15 ^c		
	Total	19		
T7SHAS4.C - T5SHAS4.B	Negative Ranks	1 ^d	4.50	4.50
	Positive Ranks	5 ^e	3.30	16.50
	Ties	12 ^f		
	Total	18		
T5SHAS4.A - T7SHAS4.C	Negative Ranks	5 ^g	3.00	15.00
	Positive Ranks	1 ^h	6.00	6.00
	Ties	12 ⁱ		
	Total	18		

- a. T5SHAS4.B < T5SHAS4.A
- b. T5SHAS4.B > T5SHAS4.A
- c. T5SHAS4.B = T5SHAS4.A
- d. T7SHAS4.C < T5SHAS4.B
- e. T7SHAS4.C > T5SHAS4.B
- f. T7SHAS4.C = T5SHAS4.B
- g. T5SHAS4.A < T7SHAS4.C
- h. T5SHAS4.A > T7SHAS4.C
- i. T5SHAS4.A = T7SHAS4.C

Test Statistics^a

	T5SHAS4.B - T5SHAS4.A	T7SHAS4.C - T5SHAS4.B	T5SHAS4.A - T7SHAS4.C
Z	-1.890 ^b	-1.298 ^c	-1.000 ^b
Asymp. Sig. (2-tailed)	.059	.194	.317

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.
- c. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:37
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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		NPART TESTS /WILCOXON=T5SHAS5.A T4SHAS5.B T7SHAS5.C WITH T4SHAS5.B T7SHAS5.C T5SHAS5.A (PAIRED) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed^a	393216

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T5SHAS5.A	19	1.37	.684	1	3
T4SHAS5.B	19	1.05	.229	1	2
T7SHAS5.C	18	1.11	.323	1	2

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T4SHAS5.B - T5SHAS5.A	Negative Ranks	5 ^a	3.70	18.50
	Positive Ranks	1 ^b	2.50	2.50
	Ties	13 ^c		
	Total	19		
T7SHAS5.C - T4SHAS5.B	Negative Ranks	1 ^d	2.00	2.00
	Positive Ranks	2 ^e	2.00	4.00
	Ties	15 ^f		
	Total	18		
T5SHAS5.A - T7SHAS5.C	Negative Ranks	2 ^g	2.50	5.00
	Positive Ranks	4 ^h	4.00	16.00
	Ties	12 ⁱ		
	Total	18		

- a. T4SHAS5.B < T5SHAS5.A
- b. T4SHAS5.B > T5SHAS5.A
- c. T4SHAS5.B = T5SHAS5.A
- d. T7SHAS5.C < T4SHAS5.B
- e. T7SHAS5.C > T4SHAS5.B
- f. T7SHAS5.C = T4SHAS5.B
- g. T5SHAS5.A < T7SHAS5.C
- h. T5SHAS5.A > T7SHAS5.C
- i. T5SHAS5.A = T7SHAS5.C

Test Statistics^a

	T4SHAS5.B - T5SHAS5.A	T7SHAS5.C - T4SHAS5.B	T5SHAS5.A - T7SHAS5.C
Z	-1.730 ^b	-.577 ^c	-1.190 ^c
Asymp. Sig. (2-tailed)	.084	.564	.234

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.
- c. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:37
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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		NPARTESTS /WILCOXON=T8SHAS6. A T1SHAS6.B T7SHAS6.C WITH T1SHAS6.B T7SHAS6. C T8SHAS6.A (PAIRED) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed^a	393216

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T8SHAS6.A	19	1.32	.820	1	4
T1SHAS6.B	18	1.00	.000	1	1
T7SHAS6.C	17	1.18	.393	1	2

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T1SHAS6.B - T8SHAS6.A	Negative Ranks	3 ^a	2.00	6.00
	Positive Ranks	0 ^b	.00	.00
	Ties	15 ^c		
	Total	18		
T7SHAS6.C - T1SHAS6.B	Negative Ranks	0 ^d	.00	.00
	Positive Ranks	3 ^e	2.00	6.00
	Ties	13 ^f		
	Total	16		
T8SHAS6.A - T7SHAS6.C	Negative Ranks	1 ^g	1.50	1.50
	Positive Ranks	1 ^h	1.50	1.50
	Ties	15 ⁱ		
	Total	17		

- a. T1SHAS6.B < T8SHAS6.A
- b. T1SHAS6.B > T8SHAS6.A
- c. T1SHAS6.B = T8SHAS6.A
- d. T7SHAS6.C < T1SHAS6.B
- e. T7SHAS6.C > T1SHAS6.B
- f. T7SHAS6.C = T1SHAS6.B
- g. T8SHAS6.A < T7SHAS6.C
- h. T8SHAS6.A > T7SHAS6.C
- i. T8SHAS6.A = T7SHAS6.C

Test Statistics^a

	T1SHAS6.B - T8SHAS6.A	T7SHAS6.C - T1SHAS6.B	T8SHAS6.A - T7SHAS6.C
Z	-1.604 ^b	-1.732 ^c	.000 ^d
Asymp. Sig. (2-tailed)	.109	.083	1.000

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.
- c. Based on negative ranks.
- d. The sum of negative ranks equals the sum of positive ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:37
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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=T6SHAS10.A T7SHAS10.B T7SHAS10.C WITH T7SHAS10.B T7SHAS10.C T6SHAS10.A (PAIRED) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed^a	393216

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T6SHAS10.A	19	2.21	1.548	1	6
T7SHAS10.B	19	1.32	1.003	1	5
T7SHAS10.C	18	2.28	1.447	1	6

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T7SHAS10.B - T6SHAS10.A A	Negative Ranks	9 ^a	6.17	55.50
	Positive Ranks	2 ^b	5.25	10.50
	Ties	8 ^c		
	Total	19		
T7SHAS10.C - T7SHAS10.B B	Negative Ranks	0 ^d	.00	.00
	Positive Ranks	10 ^e	5.50	55.00
	Ties	8 ^f		
	Total	18		
T6SHAS10.A - T7SHAS10.C C	Negative Ranks	6 ^g	4.83	29.00
	Positive Ranks	3 ^h	5.33	16.00
	Ties	9 ⁱ		
	Total	18		

- a. T7SHAS10.B < T6SHAS10.A
- b. T7SHAS10.B > T6SHAS10.A
- c. T7SHAS10.B = T6SHAS10.A
- d. T7SHAS10.C < T7SHAS10.B
- e. T7SHAS10.C > T7SHAS10.B
- f. T7SHAS10.C = T7SHAS10.B
- g. T6SHAS10.A < T7SHAS10.C
- h. T6SHAS10.A > T7SHAS10.C
- i. T6SHAS10.A = T7SHAS10.C

Test Statistics^a

	T7SHAS10.B - T6SHAS10.A	T7SHAS10.C - T7SHAS10.B	T6SHAS10.A - T7SHAS10.C
Z	-2.032 ^b	-2.877 ^c	-.785 ^b
Asymp. Sig. (2-tailed)	.042	.004	.432

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.
- c. Based on negative ranks.

NPar Tests

Notes

Output Created		05-MAR-2025 21:25:37
Comments		
Input	Data	/Users/dicec004/My Drive/WANA stuff/WANA Merged Data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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		<pre> NPAR TESTS /WILCOXON=T8SHAS12. A T11SHAS12.B T6SHAS12.C WITH T11SHAS12.B T6SHAS12.C T8SHAS12. A (PAIRED) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS. </pre>
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed^a	393216

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
T8SHAS12.A	19	2.37	1.832	1	8
T11SHAS12.B	18	1.39	.778	1	4
T6SHAS12.C	18	2.17	1.543	1	6

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
T11SHAS12.B - T8SHAS12.A	Negative Ranks	9 ^a	5.00	45.00
	Positive Ranks	0 ^b	.00	.00
	Ties	9 ^c		
	Total	18		
T6SHAS12.C - T11SHAS12.B	Negative Ranks	0 ^d	.00	.00
	Positive Ranks	8 ^e	4.50	36.00
	Ties	9 ^f		
	Total	17		
T8SHAS12.A - T6SHAS12. C	Negative Ranks	3 ^g	3.17	9.50
	Positive Ranks	2 ^h	2.75	5.50
	Ties	13 ⁱ		
	Total	18		

- a. T11SHAS12.B < T8SHAS12.A
- b. T11SHAS12.B > T8SHAS12.A
- c. T11SHAS12.B = T8SHAS12.A
- d. T6SHAS12.C < T11SHAS12.B
- e. T6SHAS12.C > T11SHAS12.B
- f. T6SHAS12.C = T11SHAS12.B
- g. T8SHAS12.A < T6SHAS12.C
- h. T8SHAS12.A > T6SHAS12.C
- i. T8SHAS12.A = T6SHAS12.C

Test Statistics^a

	T11SHAS12.B - T8SHAS12.A	T6SHAS12.C - T11SHAS12.B	T8SHAS12.A - T6SHAS12.C
Z	-2.716 ^b	-2.640 ^c	-.552 ^b
Asymp. Sig. (2-tailed)	.007	.008	.581

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.
- c. Based on negative ranks.

NPar Tests