

## Signed Rank Test for Vinaxb and Vina, calculated off the difference score $Vinaxb - Vina = Diff$

### The UNIVARIATE Procedure

Variable: diff

Moments			
<b>N</b>	106	<b>Sum Weights</b>	106
<b>Mean</b>	-0.1934272	<b>Sum Observations</b>	-20.503288
<b>Std Deviation</b>	1.28548048	<b>Variance</b>	1.65246007
<b>Skewness</b>	-0.3968439	<b>Kurtosis</b>	4.25844178
<b>Uncorrected SS</b>	177.474202	<b>Corrected SS</b>	173.508307
<b>Coeff Variation</b>	-664.58087	<b>Std Error Mean</b>	0.1248569

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	-0.19343	<b>Std Deviation</b>	1.28548
<b>Median</b>	-0.03078	<b>Variance</b>	1.65246
<b>Mode</b>	.	<b>Range</b>	9.60960
		<b>Interquartile Range</b>	0.33905

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
<b>Student's t</b>	<b>t</b>	-1.54919	<b>Pr &gt;  t </b>	0.1243
<b>Sign</b>	<b>M</b>	-14	<b>Pr &gt;=  M </b>	0.0084
<b>Signed Rank</b>	<b>S</b>	-751.5	<b>Pr &gt;=  S </b>	0.0171

Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	4.7619127
<b>99%</b>	2.7043606
<b>95%</b>	2.0235827
<b>90%</b>	0.6960297

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Quantiles (Definition 5)	
Level	Quantile
75% Q3	0.0444254
50% Median	-0.0307785
25% Q1	-0.2946197
10%	-1.8982790
5%	-2.9657658
1%	-3.8472232
0% Min	-4.8476908

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-4.84769	106	2.42230	62
-3.84722	64	2.45893	33
-3.69770	49	2.49136	26
-3.31856	38	2.70436	99
-3.16145	6	4.76191	104