

Wilcoxon Signed Ranks test.

KEEL non-parametric statistical module

August 25, 2024

1 Detailed results for BHCVRP-act

1.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
BHCVRP	0.0	28.0	≥ 0.2	1

Table 1: Results obtained by the Wilcoxon test for algorithm BHCVRP-act

1.2 Confidence intervals for Median of differences

$\alpha=0.90$	Confidence interval	Exact confidence
BHCVRP	[0.423 , 73.8809]	0

Table 2: Confidence intervals for algorithm BHCVRP-act ($\alpha=0.90$)

$\alpha=0.95$	Confidence interval	Exact confidence
BHCVRP	[0.423 , 73.8809]	0

Table 3: Confidence intervals for algorithm BHCVRP-act ($\alpha=0.95$)

2 Detailed results for BHCVRP

2.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
BHCVRP-act	28.0	0.0	≥ 0.2	0.014248

Table 4: Results obtained by the Wilcoxon test for algorithm BHCVRP

2.2 Confidence intervals for Median of differences

$\alpha=0.90$	Confidence interval	Exact confidence
BHCVRP-act	[-73.8809 , -0.423]	0

Table 5: Confidence intervals for algorithm BHCVRP ($\alpha=0.90$)

$\alpha=0.95$	Confidence interval	Exact confidence
BHCVRP-act	[-73.8809 , -0.423]	0

Table 6: Confidence intervals for algorithm BHCVRP ($\alpha=0.95$)