

Wilcoxon Signed Ranks test.

KEEL non-parametric statistical module

September 4, 2024

1 Detailed results for BHCVRP-act

1.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
BHCVRP	11.0	17.0	≥ 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	[-26,614.22 , 29,334.915]	0

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

$\alpha=0.95$	Confidence interval	Exact confidence
BHCVRP	[-26,614.22 , 29,334.915]	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	17.0	11.0	≥ 0.2	0.554113

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	[-29,334.915 , 26,614.22]	0

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

$\alpha=0.95$	Confidence interval	Exact confidence
BHCVRP-act	[-29,334.915 , 26,614.22]	0

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