Wilcoxon Signed Ranks test.

KEEL non-parametric statistical module

August 20, 2024

1 Detailed results for BHCVRP-act

1.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
BHCVRP	3.0	7.0	≥ 0.2	1

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

1.2 Confidence intervals for Median of differences

α =0.90	Confidence interval	Exact confidence
BHCVRP	[-209.97, 962.655]	0

Table 2: Confidence intervals for algorithm BHCVRP-act (α =0.90)

α =0.95	Confidence interval	Exact confidence
BHCVRP	[-209.97, 962.655]	0

Table 3: Confidence intervals for algorithm BHCVRP-act (α =0.95)

2 Detailed results for BHCVRP

2.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
BHCVRP-act	7.0	3.0	≥ 0.2	0.36131

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	[-962.655, 209.97]	0

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

α =0.95	Confidence interval	Exact confidence
BHCVRP-act	[-962.655, 209.97]	0

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