

Wilcoxon Signed Ranks test.

KEEL non-parametric statistical module

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1 Detailed results for BHCVRP

1.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
OR-Tools	0.0	36.0	≥ 0.2	1

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

1.2 Confidence intervals for Median of differences

$\alpha=0.90$	Confidence interval	Exact confidence
OR-Tools	[0.41 , 127.45]	0

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

$\alpha=0.95$	Confidence interval	Exact confidence
OR-Tools	[0.41 , 127.45]	0

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

2 Detailed results for OR-Tools

2.1 Results

VS	R^+	R^-	Exact P-value	Asymptotic P-value
BHCVRP	36.0	0.0	≥ 0.2	0.009583

Table 4: Results obtained by the Wilcoxon test for algorithm OR-Tools

2.2 Confidence intervals for Median of differences

$\alpha=0.90$	Confidence interval	Exact confidence
BHCVRP	[-127.45 , -0.41]	0

Table 5: Confidence intervals for algorithm OR-Tools ($\alpha=0.90$)

$\alpha=0.95$	Confidence interval	Exact confidence
BHCVRP	[-127.45 , -0.41]	0

Table 6: Confidence intervals for algorithm OR-Tools ($\alpha=0.95$)