Wilcoxon Signed Ranks test.

KEEL non-parametric statistical module

August 25, 2024

1 Detailed results for BHCVRP

1.1 Results

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

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	[-3,363.689 , -478.24]	0

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

	α =0.95	Confidence interval	Exact confidence
C	R-Tools	[-3,363.689,-478.24]	0

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

2 Detailed results for OR-Tools

2.1 Results

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

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	[478.24, 3,363.689]	0

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

α =0.95	Confidence interval	Exact confidence
BHCVRP	[478.24 , 3,363.689]	0

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