Wilcoxon Signed Ranks test.

KEEL non-parametric statistical module

July 12, 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 diferences

α=0.90	Confidence interval	Exact confidence
OR-Tools	[-3,719.51 , -205.34]	0

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

α=0.95	Confidence interval	Exact confidence
OR-Tools	[-3,719.51 , -205.34]	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 diferences

α=0.90	Confidence interval	Exact confidence
BHCVRP	[205.34 , 3,719.51]	0

Table 5: Confidence intervals for algorithm OR-Tools (α=0.90)

α=0.95	Confidence interval	Exact confidence
BHCVRP	[205.34 , 3,719.51]	0

Table 6: Confidence intervals for algorithm OR-Tools (α=0.95)