

Output tables for 1xN statistical comparisons.

September 9, 2024

1 Average rankings of Friedman test

Average ranks obtained by each method in the Friedman test.

Algorithm	Ranking
Random	8.2188
NN	6.8594
Sweep	7.9844
SaveSeq	3.1562
SaveParall	2.0312
MJ	2.0625
CMT	3.0938
Kilby	6
SaveMatch	5.5938

Table 1: Average Rankings of the algorithms (Friedman)

Friedman statistic (distributed according to chi-square with 8 degrees of freedom): 207.15625.

P-value computed by Friedman Test: 0.

## 2 Post hoc comparison (Friedman)

P-values obtained in by applying post hoc methods over the results of Friedman procedure.

$i$	algorithm	$z = (R_0 - R_i)/SE$	$p$
8	Random	9.037422	0
7	Sweep	8.695096	0
6	NN	7.051928	0
5	Kilby	5.79673	0
4	SaveMatch	5.203364	0
3	SaveSeq	1.643168	0.100348
2	CMT	1.551881	0.120691
1	MJ	0.045644	0.963594

Table 2: Post Hoc comparison Table for  $\alpha = 0.05$  (FRIEDMAN)

### 3 Adjusted P-Values (Friedman)

Adjusted P-values obtained through the application of the post hoc methods (Friedman).

i	algorithm	unadjusted $p$
1	Random	0
2	Sweep	0
3	NN	0
4	Kilby	0
5	SaveMatch	0
6	SaveSeq	0.100348
7	CMT	0.120691
8	MJ	0.963594

Table 3: Adjusted  $p$ -values (FRIEDMAN) (I)

i	algorithm	unadjusted $p$
1	Random	0
2	Sweep	0
3	NN	0
4	Kilby	0
5	SaveMatch	0
6	SaveSeq	0.100348
7	CMT	0.120691
8	MJ	0.963594

Table 4: Adjusted  $p$ -values (FRIEDMAN) (II)