

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
NN	6.75
Sweep	9
SaveSeq	2.5
SaveParall	1.125
MJ	2.375
CMT	4.125
Kilby	6.25
SaveMatch	4.875

Table 1: Average Rankings of the algorithms (Friedman)

Friedman statistic (distributed according to chi-square with 8 degrees of freedom): 62.466667.

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>i</i>	algorithm	$z = (R_0 - R_i)/SE$	<i>p</i>
8	Sweep	5.751087	0
7	Random	5.02079	0.000001
6	NN	4.107919	0.00004
5	Kilby	3.742771	0.000182
4	SaveMatch	2.738613	0.00617
3	CMT	2.19089	0.02846
2	SaveSeq	1.004158	0.315302
1	MJ	0.912871	0.36131

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	Sweep	0
2	Random	0.000001
3	NN	0.00004
4	Kilby	0.000182
5	SaveMatch	0.00617
6	CMT	0.02846
7	SaveSeq	0.315302
8	MJ	0.36131

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

i	algorithm	unadjusted p
1	Sweep	0
2	Random	0.000001
3	NN	0.00004
4	Kilby	0.000182
5	SaveMatch	0.00617
6	CMT	0.02846
7	SaveSeq	0.315302
8	MJ	0.36131

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