

Output tables for 1xN statistical comparisons.

April 27, 2017

1 Average rankings of Friedman test

Average ranks obtained by each method in the Friedman test.

Algorithm	Ranking
AdaBoost.NC	4.4
C45	2.75
Chi-RW	4.1667
FURIA	3.6667
GAssist-Intervalar	3.9
GFS-GCCL	5.9667
Ripper	3.15

Table 1: Average Rankings of the algorithms (Friedman)

Friedman statistic (distributed according to chi-square with 6 degrees of freedom): 41.539286.

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	Holm
6	GFS-GCCL	5.766978	0	0.008333
5	AdaBoost.NC	2.958191	0.003095	0.01
4	Chi-RW	2.539861	0.01109	0.0125
3	GAssist-Intervalar	2.061769	0.03923	0.016667
2	FURIA	1.643439	0.100292	0.025
1	Ripper	0.717137	0.473289	0.05

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

Holm's procedure rejects those hypotheses that have an unadjusted p-value ≤ 0.016667 .

3 Adjusted P-Values (Friedman)

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

i	algorithm	unadjusted p	p_{Holm}
1	GFS-GCCL	0	0
2	AdaBoost.NC	0.003095	0.015473
3	Chi-RW	0.01109	0.044359
4	GAssist-Intervalar	0.03923	0.117689
5	FURIA	0.100292	0.200584
6	Ripper	0.473289	0.473289

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

i	algorithm	unadjusted p
1	GFS-GCCL	0
2	AdaBoost.NC	0.003095
3	Chi-RW	0.01109
4	GAssist-Intervalar	0.03923
5	FURIA	0.100292
6	Ripper	0.473289

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