Output tables for the test of Multiple comparisons.

May 17, 2021

1 Average rankings of Friedman test

Average ranks obtained by applying the Friedman procedure

Algorithm	Ranking
Evaluacion-ECR	2.1
Evaluacion-EE	1.6
Evaluacion-RS	2.3

Table 1: Average Rankings of the algorithms

Friedman statistic considering reduction performance (distributed according to chi-square with 2 degrees of freedom: 1.3.
P-value computed by Friedman Test: 0.5220457767613436.

2 Post hoc comparisons

Results achieved on post hoc comparisons for $\alpha = 0.05$, $\alpha = 0.10$ and adjusted p-values.

2.1 P-values for $\alpha = 0.05$

i	algorithms	$z = (R_0 - R_i)/SE$	p
3	Evaluacion-EE vs. Evaluacion-RS	1.106797	0.268382
2	Evaluacion-ECR vs. Evaluacion-EE	0.790569	0.429195
1	Evaluacion-ECR vs. Evaluacion-RS	0.316228	0.75183

Table 2: P-values Table for $\alpha = 0.05$

2.2 P-values for $\alpha = 0.10$

i	algorithms	$z = (R_0 - R_i)/SE$	p
3	Evaluacion-EE vs. Evaluacion-RS	1.106797	0.268382
2	Evaluacion-ECR vs. Evaluacion-EE	0.790569	0.429195
1	Evaluacion-ECR vs. Evaluacion-RS	0.316228	0.75183

Table 3: P-values Table for $\alpha = 0.10$

2.3 Adjusted p-values

i	hypothesis	unadjusted p
1	Evaluacion-EE vs .Evaluacion-RS	0.268382
2	Evaluacion-ECR vs .Evaluacion-EE	0.429195
3	Evaluacion-ECR vs .Evaluacion-RS	0.75183

Table 4: Adjusted p-values