Output tables for 1xN statistical comparisons.

October 21, 2021

1 Average rankings of Friedman test

Average ranks obtained by each method in the Friedman test.

Algorithm	Ranking
brm	2.1316
gmm	1.8947
isorf	3.1105
ocsvm	2.8632

Table 1: Average Rankings of the algorithms (Friedman)

Friedman statistic (distributed according to chi-square with 3 degrees of freedom): 57.382105.
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
3	isorf	6.49054	0	0.016667
2	ocsvm	5.169954	0	0.025
1	brm	1.264391	0.20609	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 ≤ 0.05.

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	isorf	0	0
2	ocsvm	0	0
3	brm	0.20609	0.20609

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

i	algorithm	unadjusted p
1	isorf	0
2	ocsvm	0
3	brm	0.20609

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