

Tables of the statistical tests for all the tested classifiers not directly based on contrast patterns, according to the AUC measure.

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1 Average rankings of Friedman test

Average ranks obtained by each method in the Friedman test.

Algorithm	Ranking
Our Proposal	2.7474
HeDex	6.0474
RUSBoost	3.3684
RB-Boost	4.6895
CTC	4.5
Coverage	4.2842
OCC	9.1789
OCSVM	7.9737
KLPART	6.2105
k ENN	6

Table 1: Average Rankings of the algorithms (Friedman)

Friedman statistic (distributed according to chi-square with 9 degrees of freedom): 372.717129.

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	Finner
9	OCC	14.640594	0	0.005683
8	OCSVM	11.89698	0	0.011334
7	KLPART	7.883397	0	0.016952
6	HeDex	7.51199	0	0.022539
5	kENN	7.404163	0	0.028094
4	RBBoost	4.420932	0.00001	0.033617
3	CTC	3.989622	0.000066	0.039109
2	Coverage	3.498407	0.000468	0.04457
1	RUSBoost	1.41374	0.157438	0.05

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

Finner'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
1	OCC	0
2	OCSVM	0
3	KLPART	0
4	HeDex	0
5	k ENN	0
6	RBBoost	0.00001
7	CTC	0.000066
8	Coverage	0.000468
9	RUSBoost	0.157438

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

i	algorithm	unadjusted p	p_{Finner}
1	OCC	0	0
2	OCSVM	0	0
3	KLPART	0	0
4	HeDex	0	0
5	k ENN	0	0
6	RBBoost	0.00001	0.000015
7	CTC	0.000066	0.000085
8	Coverage	0.000468	0.000527
9	RUSBoost	0.157438	0.157438

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