

Output tables for 1xN statistical comparisons.

May 16, 2022

1 Average rankings of Friedman test

Average ranks obtained by each method in the Friedman test.

Algorithm	Ranking
GaussianNB:ENANE	2.75
GaussianNB:ENN	2.6667
GaussianNB:LSSm	2.0556
GaussianNB:base	2.5278

Table 1: Average Rankings of the algorithms (Friedman)

Friedman statistic (distributed according to chi-square with 3 degrees of freedom): 3.116667.  
P-value computed by Friedman Test: 0.373985.

## 2 Post hoc comparison (Friedman)

P-values obtained in by applying post hoc methods over the results of Friedman procedure.

$i$	algorithm	$z = (R_0 - R_i) / SE$	$p$	Hochberg
3	GaussianNB:ENANE	1.613743	0.106583	0.016667
2	GaussianNB:ENN	1.420094	0.15558	0.025
1	GaussianNB:base	1.097345	0.27249	0.05

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 $p$	$p_{Hochberg}$
1	GaussianNB:ENANE	0.106583	0.27249
2	GaussianNB:ENN	0.15558	0.27249
3	GaussianNB:base	0.27249	0.27249

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

i	algorithm	unadjusted $p$
1	GaussianNB:ENANE	0.106583
2	GaussianNB:ENN	0.15558
3	GaussianNB:base	0.27249

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