

Wilcoxon Signed Ranks test.

KEEL non-parametric statistical module

May 9, 2011

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	
IR (1)	-																														
Anova (2)		-																													
Bayesian (3)			-																												
CACC (4)				-																											
CADD (5)					-																										
CAM (6)						-																									
Chi2 (7)							-																								
ChiMerge (8)								-																							
ClusterAnalysis (9)									-																						
DIPL (10)										-																					
Distance (11)											-																				
EqualFrequency (12)												-																			
EqualWidth (13)													-																		
Extended Chi2 (14)														-																	
FFD (15)															-																
FUSINTER (16)																-															
HDD (17)																	-														
HellingerBD (18)																		-													
Heter-Disc (19)																			-												
ID3 (20)																				-											
IDD (21)																					-										
Khops (22)																						-									
MDLP (23)																							-								
Modified Chi2 (24)																								-							
MODL (25)																									-						
MVD (26)																										-					
PKID (27)																											-				
UCPD (28)																												-			
USD (29)																													-		
Zeta (30)																														-	

Table 2: Summary of the Wilcoxon test. ●= the method in the row improves the method of the column. ○= the method in the column improves the method of the row. Upper diagonal of level significance $\alpha = 0.9$, Lower diagonal level of significance $\alpha = 0.95$

Method	$\alpha = 0.9$		$\alpha = 0.95$	
	+	\pm	+	\pm
IR	0	11	0	15
Ameva	25	29	24	29
Bayesian	1	23	1	24
CACC	25	29	25	29
CADD	0	3	0	3
CAIM	22	29	22	29
Chi2	3	22	2	24
ChiMerge	23	29	22	29
ClusterAnalysis	2	21	2	21
DIBD	1	23	1	24
Distance	1	25	1	26
EqualFrequency	3	24	3	25
EqualWidth	3	23	2	23
Extended Chi2	1	20	1	20
FFD	1	19	1	19
FUSINTER	19	28	16	29
HDD	5	25	5	25
HellingerBD	4	23	4	23
Heter-Disc	0	10	0	12
ID3	3	22	2	22
IDD	1	22	1	23
Khiops	5	24	5	24
MDLP	1	23	1	24
Modified Chi2	3	21	1	21
MODL	4	24	4	24
MVD	0	19	0	19
PKID	3	22	2	23
UCPD	17	28	15	28
USD	10	25	9	25
Zeta	11	27	9	27

Table 3: Wilcoxon test summary results