

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)									-																						
DIBL (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	$\alpha = 0.9$		$\alpha = 0.95$	
	+	$\pm$	+	$\pm$
1R	2	7	2	8
Ameva	11	29	11	29
Bayesian	2	7	2	8
CACC	7	21	7	25
CADD	0	1	0	1
CAIM	12	29	11	29
Chi2	11	29	10	29
ChiMerge	15	29	11	29
ClusterAnalysis	6	20	6	22
DIBD	2	6	2	7
Distance	9	26	7	28
EqualFrequency	10	29	10	29
EqualWidth	9	27	8	28
Extended Chi2	4	14	3	16
FFD	15	29	12	29
FUSINTER	19	29	18	29
HDD	6	24	6	25
HellingerBD	8	20	7	21
Heter-Disc	0	1	0	2
ID3	6	23	6	26
IDD	3	13	2	15
Khiops	12	29	10	29
MDLP	9	28	8	29
Modified Chi2	16	29	14	29
MODL	15	29	12	29
MVD	2	5	1	6
PKID	16	29	14	29
UCPD	6	14	4	16
USD	6	24	6	25
Zeta	7	24	6	27

Table 3: Wilcoxon test summary results