

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	1	11	1	12
Ameva	15	29	14	29
Bayesian	1	9	1	9
CACC	12	28	9	28
CADD	0	1	0	1
CAIM	18	29	16	29
Chi2	14	29	13	29
ChiMerge	20	29	17	29
ClusterAnalysis	1	9	1	10
DIBD	9	20	6	21
Distance	17	29	13	29
EqualFrequency	11	25	10	27
EqualWidth	9	19	7	20
Extended Chi2	10	27	9	27
FFD	6	14	5	15
FUSINTER	22	29	21	29
HDD	1	17	1	18
HellingerBD	11	24	10	27
Heter-Disc	0	8	0	9
ID3	1	9	1	10
IDD	1	9	1	10
Khiops	12	24	12	27
MDLP	16	28	14	29
Modified Chi2	11	25	11	27
MODL	12	25	12	28
MVD	1	11	1	15
PKID	7	14	5	15
UCPD	15	29	14	29
USD	2	10	1	13
Zeta	15	29	14	29

Table 3: Wilcoxon test summary results