

Tables of the statistical tests considering the imbalanced databases contained in the Bin6.

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Abstract

In this document we show supplementary material for the paper entitled “Effect of Class Imbalance on Quality Measures for Contrast Patterns: An Experimental Study” submitted to the journal Information Science since March, 2016.

1 Average rankings of Friedman test

Average ranks obtained by applying the Friedman procedure

Algorithm	Ranking
ACC	24.6
Brins	8.1
Cconf	24.9667
Cole	8.1
ColStr	23.0667
Conf	8.1
Cos	10.9667
Cover	11.6667
Dep	24.9667
ExCex	8.1
Gain	20.5333
GR	8.1
InfGain	24.9667
Jacc	11.0333
Klos	26.4333
Lap	14.9333
Lever	32
Lift	24.9667
MDisc	9.5333
MultInf	16.0333

NetConf	23.5
OddsR	8.1
Pearson	22.4
RelRisk	24.1667
SeBag	8.1
Spec	23.4
Streng	11.2
Sup	14.8667
SupDif	11.2
WRACC	11.2
X2	20.6
Zhang	8.1

Table 1: Average Rankings of the algorithms

Friedman statistic considering reduction performance (distributed according to chi-square with 31 degrees of freedom: 297.298864.

P-value computed by Friedman Test: 1.2655243519787973E-10.

2 Post hoc comparisons

Results achieved on post hoc comparisons for $\alpha = 0.05$, $\alpha = 0.10$ and adjusted p-values.

2.1 P-values for $\alpha = 0.05$

i	algorithms	$z = (R_0 - R_i)/SE$	p	Shaffer
496	Brins vs. Lever	6.977297	0	0.000101
495	Cole vs. Lever	6.977297	0	0.000108
494	Conf vs. Lever	6.977297	0	0.000108
493	ExCex vs. Lever	6.977297	0	0.000108
492	GR vs. Lever	6.977297	0	0.000108
491	Lever vs. OddsR	6.977297	0	0.000108
490	Lever vs. SeBag	6.977297	0	0.000108
489	Lever vs. Zhang	6.977297	0	0.000108
488	Lever vs. MDisc	6.558854	0	0.000108
487	Cos vs. Lever	6.14041	0	0.000108
486	Jacc vs. Lever	6.120948	0	0.000108
485	Lever vs. Streng	6.072292	0	0.000108
484	Lever vs. SupDif	6.072292	0	0.000108
483	Lever vs. WRACC	6.072292	0	0.000108
482	Cover vs. Lever	5.936054	0	0.000108
481	Brins vs. Klos	5.35218	0	0.000108
480	Cole vs. Klos	5.35218	0	0.000108
479	Conf vs. Klos	5.35218	0	0.000108
478	ExCex vs. Klos	5.35218	0	0.000108
477	GR vs. Klos	5.35218	0	0.000108
476	Klos vs. OddsR	5.35218	0	0.000108
475	Klos vs. SeBag	5.35218	0	0.000108
474	Klos vs. Zhang	5.35218	0	0.000108
473	Lever vs. Sup	5.001856	0.000001	0.000108
472	Lap vs. Lever	4.982393	0.000001	0.000108
471	Klos vs. MDisc	4.933737	0.000001	0.000108
470	Brins vs. Cconf	4.924006	0.000001	0.000108
469	Brins vs. Dep	4.924006	0.000001	0.000108
468	Brins vs. InfGain	4.924006	0.000001	0.000108
467	Brins vs. Lift	4.924006	0.000001	0.000108
466	Cconf vs. Cole	4.924006	0.000001	0.000108
465	Cconf vs. Conf	4.924006	0.000001	0.000108
464	Cconf vs. ExCex	4.924006	0.000001	0.000115
463	Cconf vs. GR	4.924006	0.000001	0.000115
462	Cconf vs. OddsR	4.924006	0.000001	0.000115
461	Cconf vs. SeBag	4.924006	0.000001	0.000115
460	Cconf vs. Zhang	4.924006	0.000001	0.000115
459	Cole vs. Dep	4.924006	0.000001	0.000115
458	Cole vs. InfGain	4.924006	0.000001	0.000115
457	Cole vs. Lift	4.924006	0.000001	0.000115
456	Conf vs. Dep	4.924006	0.000001	0.000115

455	Conf vs. InfGain	4.924006	0.000001	0.000115
454	Conf vs. Lift	4.924006	0.000001	0.000115
453	Dep vs. ExCex	4.924006	0.000001	0.000115
452	Dep vs. GR	4.924006	0.000001	0.000115
451	Dep vs. OddsR	4.924006	0.000001	0.000115
450	Dep vs. SeBag	4.924006	0.000001	0.000115
449	Dep vs. Zhang	4.924006	0.000001	0.000115
448	ExCex vs. InfGain	4.924006	0.000001	0.000115
447	ExCex vs. Lift	4.924006	0.000001	0.000115
446	GR vs. InfGain	4.924006	0.000001	0.000115
445	GR vs. Lift	4.924006	0.000001	0.000115
444	InfGain vs. OddsR	4.924006	0.000001	0.000115
443	InfGain vs. SeBag	4.924006	0.000001	0.000115
442	InfGain vs. Zhang	4.924006	0.000001	0.000115
441	Lift vs. OddsR	4.924006	0.000001	0.000115
440	Lift vs. SeBag	4.924006	0.000001	0.000115
439	Lift vs. Zhang	4.924006	0.000001	0.000115
438	ACC vs. Brins	4.816962	0.000001	0.000115
437	ACC vs. Cole	4.816962	0.000001	0.000115
436	ACC vs. Conf	4.816962	0.000001	0.000115
435	ACC vs. ExCex	4.816962	0.000001	0.000115
434	ACC vs. GR	4.816962	0.000001	0.000122
433	ACC vs. OddsR	4.816962	0.000001	0.000122
432	ACC vs. SeBag	4.816962	0.000001	0.000122
431	ACC vs. Zhang	4.816962	0.000001	0.000122
430	Brins vs. RelRisk	4.690456	0.000003	0.000122
429	Cole vs. RelRisk	4.690456	0.000003	0.000122
428	Conf vs. RelRisk	4.690456	0.000003	0.000122
427	ExCex vs. RelRisk	4.690456	0.000003	0.000122
426	GR vs. RelRisk	4.690456	0.000003	0.000122
425	OddsR vs. RelRisk	4.690456	0.000003	0.000122
424	RelRisk vs. SeBag	4.690456	0.000003	0.000122
423	RelRisk vs. Zhang	4.690456	0.000003	0.000122
422	Lever vs. MultInf	4.661262	0.000003	0.000122
421	Cos vs. Klos	4.515294	0.000006	0.000122
420	Cconf vs. MDisc	4.505563	0.000007	0.000122
419	Dep vs. MDisc	4.505563	0.000007	0.000122
418	InfGain vs. MDisc	4.505563	0.000007	0.000122
417	Lift vs. MDisc	4.505563	0.000007	0.000122
416	Jacc vs. Klos	4.495831	0.000007	0.000122
415	Brins vs. NetConf	4.495831	0.000007	0.000122
414	Cole vs. NetConf	4.495831	0.000007	0.000122
413	Conf vs. NetConf	4.495831	0.000007	0.000122
412	ExCex vs. NetConf	4.495831	0.000007	0.000122
411	GR vs. NetConf	4.495831	0.000007	0.000122
410	NetConf vs. OddsR	4.495831	0.000007	0.000122
409	NetConf vs. SeBag	4.495831	0.000007	0.000122
408	NetConf vs. Zhang	4.495831	0.000007	0.000123
407	Brins vs. Spec	4.466638	0.000008	0.000123
406	Cole vs. Spec	4.466638	0.000008	0.000123

405	Conf vs. Spec	4.466638	0.000008	0.00013
404	ExCex vs. Spec	4.466638	0.000008	0.00013
403	GR vs. Spec	4.466638	0.000008	0.00013
402	OddsR vs. Spec	4.466638	0.000008	0.00013
401	SeBag vs. Spec	4.466638	0.000008	0.00013
400	Spec vs. Zhang	4.466638	0.000008	0.00013
399	Klos vs. Streng	4.447175	0.000009	0.00013
398	Klos vs. SupDif	4.447175	0.000009	0.00013
397	Klos vs. WRACC	4.447175	0.000009	0.00013
396	ACC vs. MDisc	4.398519	0.000011	0.00013
395	Brins vs. ColStr	4.369325	0.000012	0.00013
394	Cole vs. ColStr	4.369325	0.000012	0.00013
393	ColStr vs. Conf	4.369325	0.000012	0.00013
392	ColStr vs. ExCex	4.369325	0.000012	0.00013
391	ColStr vs. GR	4.369325	0.000012	0.00013
390	ColStr vs. OddsR	4.369325	0.000012	0.00013
389	ColStr vs. SeBag	4.369325	0.000012	0.00013
388	ColStr vs. Zhang	4.369325	0.000012	0.00013
387	Cover vs. Klos	4.310938	0.000016	0.00013
386	MDisc vs. RelRisk	4.272013	0.000019	0.00013
385	Brins vs. Pearson	4.174701	0.00003	0.00013
384	Cole vs. Pearson	4.174701	0.00003	0.00013
383	Conf vs. Pearson	4.174701	0.00003	0.000131
382	ExCex vs. Pearson	4.174701	0.00003	0.000131
381	GR vs. Pearson	4.174701	0.00003	0.000131
380	OddsR vs. Pearson	4.174701	0.00003	0.000132
379	Pearson vs. SeBag	4.174701	0.00003	0.000132
378	Pearson vs. Zhang	4.174701	0.00003	0.000132
377	Cconf vs. Cos	4.087119	0.000044	0.000139
376	Cos vs. Dep	4.087119	0.000044	0.000139
375	Cos vs. InfGain	4.087119	0.000044	0.000139
374	Cos vs. Lift	4.087119	0.000044	0.000139
373	MDisc vs. NetConf	4.077388	0.000046	0.000139
372	Cconf vs. Jacc	4.067657	0.000047	0.000139
371	Dep vs. Jacc	4.067657	0.000047	0.000139
370	InfGain vs. Jacc	4.067657	0.000047	0.000139
369	Jacc vs. Lift	4.067657	0.000047	0.000139
368	MDisc vs. Spec	4.048195	0.000052	0.000139
367	Cconf vs. Streng	4.019001	0.000058	0.000139
366	Cconf vs. SupDif	4.019001	0.000058	0.000139
365	Cconf vs. WRACC	4.019001	0.000058	0.000139
364	Dep vs. Streng	4.019001	0.000058	0.000139
363	Dep vs. SupDif	4.019001	0.000058	0.000139
362	Dep vs. WRACC	4.019001	0.000058	0.000139
361	InfGain vs. Streng	4.019001	0.000058	0.000139
360	InfGain vs. SupDif	4.019001	0.000058	0.00014
359	InfGain vs. WRACC	4.019001	0.000058	0.00014
358	Lift vs. Streng	4.019001	0.000058	0.00014
357	Lift vs. SupDif	4.019001	0.000058	0.00014
356	Lift vs. WRACC	4.019001	0.000058	0.000141

355	ACC vs. Cos	3.980076	0.000069	0.000141
354	ACC vs. Jacc	3.960613	0.000075	0.000141
353	ColStr vs. MDisc	3.950882	0.000078	0.000142
352	ACC vs. Streng	3.911957	0.000092	0.000142
351	ACC vs. SupDif	3.911957	0.000092	0.000142
350	ACC vs. WRACC	3.911957	0.000092	0.000147
349	Cconf vs. Cover	3.882763	0.000103	0.000147
348	Cover vs. Dep	3.882763	0.000103	0.000147
347	Cover vs. InfGain	3.882763	0.000103	0.000147
346	Cover vs. Lift	3.882763	0.000103	0.000147
345	Cos vs. RelRisk	3.85357	0.000116	0.000147
344	Jacc vs. RelRisk	3.834107	0.000126	0.000147
343	RelRisk vs. Streng	3.785451	0.000153	0.000147
342	RelRisk vs. SupDif	3.785451	0.000153	0.000147
341	RelRisk vs. WRACC	3.785451	0.000153	0.000147
340	ACC vs. Cover	3.77572	0.00016	0.000147
339	MDisc vs. Pearson	3.756257	0.000172	0.000147
338	Cos vs. NetConf	3.658945	0.000253	0.000148
337	Brins vs. X2	3.649214	0.000263	0.000148
336	Cole vs. X2	3.649214	0.000263	0.000149
335	Conf vs. X2	3.649214	0.000263	0.000149
334	ExCex vs. X2	3.649214	0.000263	0.00015
333	GR vs. X2	3.649214	0.000263	0.00015
332	OddsR vs. X2	3.649214	0.000263	0.000151
331	SeBag vs. X2	3.649214	0.000263	0.000151
330	X2 vs. Zhang	3.649214	0.000263	0.000152
329	Cover vs. RelRisk	3.649214	0.000263	0.000152
328	Jacc vs. NetConf	3.639483	0.000273	0.000152
327	Brins vs. Gain	3.629751	0.000284	0.000153
326	Cole vs. Gain	3.629751	0.000284	0.000153
325	Conf vs. Gain	3.629751	0.000284	0.000154
324	ExCex vs. Gain	3.629751	0.000284	0.000154
323	Gain vs. GR	3.629751	0.000284	0.000155
322	Gain vs. OddsR	3.629751	0.000284	0.000155
321	Gain vs. SeBag	3.629751	0.000284	0.000156
320	Gain vs. Zhang	3.629751	0.000284	0.000156
319	Cos vs. Spec	3.629751	0.000284	0.000157
318	Jacc vs. Spec	3.610289	0.000306	0.000157
317	NetConf vs. Streng	3.590826	0.00033	0.000158
316	NetConf vs. SupDif	3.590826	0.00033	0.000158
315	NetConf vs. WRACC	3.590826	0.00033	0.000159
314	Spec vs. Streng	3.561633	0.000369	0.000159
313	Spec vs. SupDif	3.561633	0.000369	0.00016
312	Spec vs. WRACC	3.561633	0.000369	0.00016
311	ColStr vs. Cos	3.532439	0.000412	0.000161
310	ColStr vs. Jacc	3.512976	0.000443	0.000161
309	ColStr vs. Streng	3.46432	0.000532	0.000162
308	ColStr vs. SupDif	3.46432	0.000532	0.000162
307	ColStr vs. WRACC	3.46432	0.000532	0.000163
306	Cover vs. NetConf	3.454589	0.000551	0.000163

305	Cover vs. Spec	3.425395	0.000614	0.000164
304	Klos vs. Sup	3.376739	0.000734	0.000164
303	Klos vs. Lap	3.357277	0.000787	0.000165
302	Gain vs. Lever	3.347545	0.000815	0.000166
301	Cos vs. Pearson	3.337814	0.000844	0.000166
300	ColStr vs. Cover	3.328083	0.000874	0.000167
299	Lever vs. X2	3.328083	0.000874	0.000167
298	Jacc vs. Pearson	3.318352	0.000906	0.000168
297	Pearson vs. Streng	3.269696	0.001077	0.000168
296	Pearson vs. SupDif	3.269696	0.001077	0.000169
295	Pearson vs. WRACC	3.269696	0.001077	0.000169
294	MDisc vs. X2	3.230771	0.001235	0.00017
293	Gain vs. MDisc	3.211308	0.001321	0.000171
292	Cover vs. Pearson	3.133458	0.001728	0.000171
291	Klos vs. MultInf	3.036146	0.002396	0.000172
290	Cconf vs. Sup	2.948565	0.003193	0.000172
289	Dep vs. Sup	2.948565	0.003193	0.000173
288	InfGain vs. Sup	2.948565	0.003193	0.000174
287	Lift vs. Sup	2.948565	0.003193	0.000174
286	Cconf vs. Lap	2.929102	0.003399	0.000175
285	Dep vs. Lap	2.929102	0.003399	0.000175
284	InfGain vs. Lap	2.929102	0.003399	0.000176
283	Lap vs. Lift	2.929102	0.003399	0.000177
282	ACC vs. Sup	2.841521	0.00449	0.000177
281	ACC vs. Lap	2.822059	0.004772	0.000178
280	Cos vs. X2	2.812327	0.004918	0.000179
279	Lever vs. Pearson	2.802596	0.005069	0.000179
278	Jacc vs. X2	2.792865	0.005224	0.00018
277	Cos vs. Gain	2.792865	0.005224	0.000181
276	Gain vs. Jacc	2.773402	0.005547	0.000181
275	Streng vs. X2	2.744209	0.006066	0.000182
274	SupDif vs. X2	2.744209	0.006066	0.000182
273	WRACC vs. X2	2.744209	0.006066	0.000183
272	Gain vs. Streng	2.724746	0.006435	0.000184
271	Gain vs. SupDif	2.724746	0.006435	0.000185
270	Gain vs. WRACC	2.724746	0.006435	0.000185
269	RelRisk vs. Sup	2.715015	0.006627	0.000186
268	Lap vs. RelRisk	2.695553	0.007027	0.000187
267	Cconf vs. MultInf	2.607971	0.009108	0.000187
266	ColStr vs. Lever	2.607971	0.009108	0.000188
265	Cover vs. X2	2.607971	0.009108	0.000189
264	Dep vs. MultInf	2.607971	0.009108	0.000189
263	InfGain vs. MultInf	2.607971	0.009108	0.00019
262	Lift vs. MultInf	2.607971	0.009108	0.000191
261	Cover vs. Gain	2.588509	0.009639	0.000192
260	NetConf vs. Sup	2.52039	0.011722	0.000192
259	Lever vs. Spec	2.510659	0.012051	0.000193
258	ACC vs. MultInf	2.500928	0.012387	0.000194
257	Lap vs. NetConf	2.500928	0.012387	0.000195
256	Spec vs. Sup	2.491197	0.012731	0.000195

255	Lever vs. NetConf	2.481465	0.013084	0.000196
254	Lap vs. Spec	2.471734	0.013446	0.000197
253	ColStr vs. Sup	2.393884	0.016671	0.000198
252	MultInf vs. RelRisk	2.374422	0.017576	0.000198
251	ColStr vs. Lap	2.374422	0.017576	0.000199
250	Brins vs. MultInf	2.316034	0.020556	0.0002
249	Cole vs. MultInf	2.316034	0.020556	0.000201
248	Conf vs. MultInf	2.316034	0.020556	0.000202
247	ExCex vs. MultInf	2.316034	0.020556	0.000202
246	GR vs. MultInf	2.316034	0.020556	0.000203
245	MultInf vs. OddsR	2.316034	0.020556	0.000204
244	MultInf vs. SeBag	2.316034	0.020556	0.000205
243	MultInf vs. Zhang	2.316034	0.020556	0.000206
242	Lever vs. RelRisk	2.286841	0.022205	0.000207
241	Pearson vs. Sup	2.19926	0.027859	0.000207
240	Lap vs. Pearson	2.179797	0.029273	0.000208
239	MultInf vs. NetConf	2.179797	0.029273	0.000209
238	ACC vs. Lever	2.160335	0.030747	0.00021
237	MultInf vs. Spec	2.150603	0.031508	0.000211
236	Cconf vs. Lever	2.053291	0.040044	0.000212
235	ColStr vs. MultInf	2.053291	0.040044	0.000213
234	Dep vs. Lever	2.053291	0.040044	0.000214
233	InfGain vs. Lever	2.053291	0.040044	0.000215
232	Lever vs. Lift	2.053291	0.040044	0.000216
231	Brins vs. Lap	1.994904	0.046053	0.000216
230	Cole vs. Lap	1.994904	0.046053	0.000217
229	Conf vs. Lap	1.994904	0.046053	0.000218
228	ExCex vs. Lap	1.994904	0.046053	0.000219
227	GR vs. Lap	1.994904	0.046053	0.00022
226	Lap vs. OddsR	1.994904	0.046053	0.000221
225	Lap vs. SeBag	1.994904	0.046053	0.000222
224	Lap vs. Zhang	1.994904	0.046053	0.000223
223	Brins vs. Sup	1.975441	0.048218	0.000224
222	Cole vs. Sup	1.975441	0.048218	0.000225
221	Conf vs. Sup	1.975441	0.048218	0.000226
220	ExCex vs. Sup	1.975441	0.048218	0.000227
219	GR vs. Sup	1.975441	0.048218	0.000228
218	OddsR vs. Sup	1.975441	0.048218	0.000229
217	SeBag vs. Sup	1.975441	0.048218	0.00023
216	Sup vs. Zhang	1.975441	0.048218	0.000231
215	MDisc vs. MultInf	1.897591	0.05775	0.000233
214	MultInf vs. Pearson	1.858666	0.063074	0.000234
213	Gain vs. Klos	1.722429	0.084992	0.000235
212	Klos vs. X2	1.702966	0.088574	0.000236
211	Sup vs. X2	1.673773	0.094175	0.000237
210	Lap vs. X2	1.65431	0.098064	0.000238
209	Gain vs. Sup	1.65431	0.098064	0.000239
208	Gain vs. Lap	1.634848	0.102081	0.00024
207	Klos vs. Lever	1.625117	0.104138	0.000242
206	Lap vs. MDisc	1.57646	0.11492	0.000243

205	MDisc vs. Sup	1.556998	0.119471	0.000244
204	Cos vs. MultInf	1.479148	0.139101	0.000245
203	Jacc vs. MultInf	1.459686	0.144377	0.000246
202	MultInf vs. Streng	1.411029	0.158236	0.000248
201	MultInf vs. SupDif	1.411029	0.158236	0.000249
200	MultInf vs. WRACC	1.411029	0.158236	0.00025
199	MultInf vs. X2	1.333179	0.182473	0.000251
198	Gain vs. MultInf	1.313717	0.188941	0.000253
197	Cconf vs. Gain	1.294254	0.195578	0.000254
196	Dep vs. Gain	1.294254	0.195578	0.000255
195	Gain vs. InfGain	1.294254	0.195578	0.000256
194	Gain vs. Lift	1.294254	0.195578	0.000258
193	Cconf vs. X2	1.274792	0.202383	0.000259
192	Cover vs. MultInf	1.274792	0.202383	0.00026
191	Dep vs. X2	1.274792	0.202383	0.000262
190	InfGain vs. X2	1.274792	0.202383	0.000263
189	Lift vs. X2	1.274792	0.202383	0.000265
188	ACC vs. Gain	1.187211	0.235144	0.000266
187	Klos vs. Pearson	1.17748	0.239004	0.000267
186	ACC vs. X2	1.167748	0.242908	0.000269
185	Cos vs. Lap	1.158017	0.246857	0.00027
184	Cos vs. Sup	1.138555	0.254889	0.000272
183	Jacc vs. Lap	1.138555	0.254889	0.000273
182	Jacc vs. Sup	1.119092	0.263101	0.000275
181	Lap vs. Streng	1.089899	0.275758	0.000276
180	Lap vs. SupDif	1.089899	0.275758	0.000278
179	Lap vs. WRACC	1.089899	0.275758	0.000279
178	Streng vs. Sup	1.070436	0.284423	0.000281
177	Sup vs. SupDif	1.070436	0.284423	0.000282
176	Sup vs. WRACC	1.070436	0.284423	0.000284
175	Gain vs. RelRisk	1.060705	0.288824	0.000286
174	Brins vs. Cover	1.041242	0.297763	0.000287
173	Cole vs. Cover	1.041242	0.297763	0.000289
172	Conf vs. Cover	1.041242	0.297763	0.000291
171	Cover vs. ExCex	1.041242	0.297763	0.000292
170	Cover vs. GR	1.041242	0.297763	0.000294
169	Cover vs. OddsR	1.041242	0.297763	0.000296
168	Cover vs. SeBag	1.041242	0.297763	0.000298
167	Cover vs. Zhang	1.041242	0.297763	0.000299
166	RelRisk vs. X2	1.041242	0.297763	0.000301
165	ColStr vs. Klos	0.982855	0.325679	0.000303
164	Cover vs. Lap	0.953661	0.340255	0.000305
163	Cover vs. Sup	0.934199	0.350201	0.000307
162	Brins vs. Streng	0.905005	0.365463	0.000309
161	Brins vs. SupDif	0.905005	0.365463	0.000311
160	Brins vs. WRACC	0.905005	0.365463	0.000312
159	Cole vs. Streng	0.905005	0.365463	0.000314
158	Cole vs. SupDif	0.905005	0.365463	0.000316
157	Cole vs. WRACC	0.905005	0.365463	0.000318
156	Conf vs. Streng	0.905005	0.365463	0.000321

155	Conf vs. SupDif	0.905005	0.365463	0.000323
154	Conf vs. WRACC	0.905005	0.365463	0.000325
153	ExCex vs. Streng	0.905005	0.365463	0.000327
152	ExCex vs. SupDif	0.905005	0.365463	0.000329
151	ExCex vs. WRACC	0.905005	0.365463	0.000331
150	GR vs. Streng	0.905005	0.365463	0.000333
149	GR vs. SupDif	0.905005	0.365463	0.000336
148	GR vs. WRACC	0.905005	0.365463	0.000338
147	OddsR vs. Streng	0.905005	0.365463	0.00034
146	OddsR vs. SupDif	0.905005	0.365463	0.000342
145	OddsR vs. WRACC	0.905005	0.365463	0.000345
144	SeBag vs. Streng	0.905005	0.365463	0.000347
143	SeBag vs. SupDif	0.905005	0.365463	0.00035
142	SeBag vs. WRACC	0.905005	0.365463	0.000352
141	Streng vs. Zhang	0.905005	0.365463	0.000355
140	SupDif vs. Zhang	0.905005	0.365463	0.000357
139	WRACC vs. Zhang	0.905005	0.365463	0.00036
138	Klos vs. Spec	0.885543	0.375864	0.000362
137	Gain vs. NetConf	0.86608	0.386446	0.000365
136	Klos vs. NetConf	0.856349	0.391805	0.000368
135	Brins vs. Jacc	0.856349	0.391805	0.00037
134	Cole vs. Jacc	0.856349	0.391805	0.000373
133	Conf vs. Jacc	0.856349	0.391805	0.000376
132	ExCex vs. Jacc	0.856349	0.391805	0.000379
131	GR vs. Jacc	0.856349	0.391805	0.000382
130	Jacc vs. OddsR	0.856349	0.391805	0.000385
129	Jacc vs. SeBag	0.856349	0.391805	0.000388
128	Jacc vs. Zhang	0.856349	0.391805	0.000391
127	NetConf vs. X2	0.846618	0.397208	0.000394
126	Brins vs. Cos	0.836886	0.402656	0.000397
125	Cole vs. Cos	0.836886	0.402656	0.0004
124	Conf vs. Cos	0.836886	0.402656	0.000403
123	Cos vs. ExCex	0.836886	0.402656	0.000407
122	Cos vs. GR	0.836886	0.402656	0.00041
121	Cos vs. OddsR	0.836886	0.402656	0.000413
120	Cos vs. SeBag	0.836886	0.402656	0.000417
119	Cos vs. Zhang	0.836886	0.402656	0.00042
118	Gain vs. Spec	0.836886	0.402656	0.000424
117	Spec vs. X2	0.817424	0.413686	0.000427
116	Cconf vs. Pearson	0.749305	0.453673	0.000431
115	Dep vs. Pearson	0.749305	0.453673	0.000435
114	InfGain vs. Pearson	0.749305	0.453673	0.000439
113	Lift vs. Pearson	0.749305	0.453673	0.000442
112	ColStr vs. Gain	0.739574	0.459559	0.000446
111	ColStr vs. X2	0.720112	0.471456	0.00045
110	Klos vs. RelRisk	0.661724	0.508148	0.000455
109	ACC vs. Pearson	0.642262	0.520703	0.000459
108	Cover vs. MDisc	0.622799	0.533417	0.000463
107	Cconf vs. ColStr	0.55468	0.579113	0.000467
106	ColStr vs. Dep	0.55468	0.579113	0.000472

105	ColStr vs. InfGain	0.55468	0.579113	0.000476
104	ColStr vs. Lift	0.55468	0.579113	0.000481
103	Gain vs. Pearson	0.544949	0.585788	0.000485
102	ACC vs. Klos	0.535218	0.592499	0.00049
101	Pearson vs. X2	0.525487	0.599245	0.000495
100	Pearson vs. RelRisk	0.515756	0.606025	0.0005
99	MDisc vs. Streng	0.486562	0.626569	0.000505
98	MDisc vs. SupDif	0.486562	0.626569	0.00051
97	MDisc vs. WRACC	0.486562	0.626569	0.000515
96	Cconf vs. Spec	0.457368	0.647406	0.000521
95	Dep vs. Spec	0.457368	0.647406	0.000526
94	InfGain vs. Spec	0.457368	0.647406	0.000532
93	Lift vs. Spec	0.457368	0.647406	0.000538
92	ACC vs. ColStr	0.447637	0.654415	0.000543
91	Jacc vs. MDisc	0.437906	0.661455	0.000549
90	Cconf vs. NetConf	0.428174	0.668524	0.000556
89	Dep vs. NetConf	0.428174	0.668524	0.000562
88	InfGain vs. NetConf	0.428174	0.668524	0.000568
87	Lift vs. NetConf	0.428174	0.668524	0.000575
86	Cconf vs. Klos	0.428174	0.668524	0.000581
85	Dep vs. Klos	0.428174	0.668524	0.000588
84	InfGain vs. Klos	0.428174	0.668524	0.000595
83	Klos vs. Lift	0.428174	0.668524	0.000602
82	Brins vs. MDisc	0.418443	0.675623	0.00061
81	Cole vs. MDisc	0.418443	0.675623	0.000617
80	Conf vs. MDisc	0.418443	0.675623	0.000625
79	Cos vs. MDisc	0.418443	0.675623	0.000633
78	ExCex vs. MDisc	0.418443	0.675623	0.000641
77	GR vs. MDisc	0.418443	0.675623	0.000649
76	MDisc vs. OddsR	0.418443	0.675623	0.000658
75	MDisc vs. SeBag	0.418443	0.675623	0.000667
74	MDisc vs. Zhang	0.418443	0.675623	0.000676
73	ACC vs. Spec	0.350325	0.726095	0.000685
72	MultInf vs. Sup	0.340593	0.73341	0.000694
71	ACC vs. NetConf	0.321131	0.748111	0.000704
70	ColStr vs. RelRisk	0.321131	0.748111	0.000714
69	Lap vs. MultInf	0.321131	0.748111	0.000725
68	NetConf vs. Pearson	0.321131	0.748111	0.000735
67	Pearson vs. Spec	0.291937	0.770335	0.000746
66	Cconf vs. RelRisk	0.23355	0.815335	0.000758
65	Dep vs. RelRisk	0.23355	0.815335	0.000769
64	InfGain vs. RelRisk	0.23355	0.815335	0.000781
63	Lift vs. RelRisk	0.23355	0.815335	0.000794
62	RelRisk vs. Spec	0.223818	0.822899	0.000806
61	Cos vs. Cover	0.204356	0.838075	0.00082
60	NetConf vs. RelRisk	0.194625	0.845687	0.000833
59	ColStr vs. Pearson	0.194625	0.845687	0.000847
58	Cover vs. Jacc	0.184893	0.853313	0.000862
57	Cover vs. Streng	0.136237	0.891634	0.000877
56	Cover vs. SupDif	0.136237	0.891634	0.000893

55	Cover vs. WRACC	0.136237	0.891634	0.000909
54	ACC vs. RelRisk	0.126506	0.899331	0.000926
53	ColStr vs. NetConf	0.126506	0.899331	0.000943
52	ACC vs. Cconf	0.107044	0.914754	0.000962
51	ACC vs. Dep	0.107044	0.914754	0.00098
50	ACC vs. InfGain	0.107044	0.914754	0.001
49	ACC vs. Lift	0.107044	0.914754	0.00102
48	ColStr vs. Spec	0.097312	0.922478	0.001042
47	Cos vs. Streng	0.068119	0.945691	0.001064
46	Cos vs. SupDif	0.068119	0.945691	0.001087
45	Cos vs. WRACC	0.068119	0.945691	0.001111
44	Jacc vs. Streng	0.048656	0.961193	0.001136
43	Jacc vs. SupDif	0.048656	0.961193	0.001163
42	Jacc vs. WRACC	0.048656	0.961193	0.00119
41	NetConf vs. Spec	0.029194	0.97671	0.00122
40	Gain vs. X2	0.019462	0.984472	0.00125
39	Cos vs. Jacc	0.019462	0.984472	0.001282
38	Lap vs. Sup	0.019462	0.984472	0.001316
37	Brins vs. Cole	0	1	0.001351
36	Brins vs. Conf	0	1	0.001389
35	Brins vs. ExCex	0	1	0.001429
34	Brins vs. GR	0	1	0.001471
33	Brins vs. OddsR	0	1	0.001515
32	Brins vs. SeBag	0	1	0.001562
31	Brins vs. Zhang	0	1	0.001613
30	Cconf vs. Dep	0	1	0.001667
29	Cconf vs. InfGain	0	1	0.001724
28	Cconf vs. Lift	0	1	0.001786
27	Cole vs. Conf	0	1	0.001852
26	Cole vs. ExCex	0	1	0.001923
25	Cole vs. GR	0	1	0.002
24	Cole vs. OddsR	0	1	0.002083
23	Cole vs. SeBag	0	1	0.002174
22	Cole vs. Zhang	0	1	0.002273
21	Conf vs. ExCex	0	1	0.002381
20	Conf vs. GR	0	1	0.0025
19	Conf vs. OddsR	0	1	0.002632
18	Conf vs. SeBag	0	1	0.002778
17	Conf vs. Zhang	0	1	0.002941
16	Dep vs. InfGain	0	1	0.003125
15	Dep vs. Lift	0	1	0.003333
14	ExCex vs. GR	0	1	0.003571
13	ExCex vs. OddsR	0	1	0.003846
12	ExCex vs. SeBag	0	1	0.004167
11	ExCex vs. Zhang	0	1	0.004545
10	GR vs. OddsR	0	1	0.005
9	GR vs. SeBag	0	1	0.005556
8	GR vs. Zhang	0	1	0.00625
7	InfGain vs. Lift	0	1	0.007143
6	OddsR vs. SeBag	0	1	0.008333

5	OddsR vs. Zhang	0	1	0.01
4	SeBag vs. Zhang	0	1	0.0125
3	Streng vs. SupDif	0	1	0.016667
2	Streng vs. WRACC	0	1	0.025
1	SupDif vs. WRACC	0	1	0.05

Table 2: P-values Table for $\alpha = 0.05$

Shaffer's procedure rejects those hypotheses that have an unadjusted p-value ≤ 0.000101 .

2.2 P-values for $\alpha = 0.10$

i	algorithms	$z = (R_0 - R_i)/SE$	p	Shaffer
496	Brins vs. Lever	6.977297	0	0.000202
495	Cole vs. Lever	6.977297	0	0.000215
494	Conf vs. Lever	6.977297	0	0.000215
493	ExCex vs. Lever	6.977297	0	0.000215
492	GR vs. Lever	6.977297	0	0.000215
491	Lever vs. OddsR	6.977297	0	0.000215
490	Lever vs. SeBag	6.977297	0	0.000215
489	Lever vs. Zhang	6.977297	0	0.000215
488	Lever vs. MDisc	6.558854	0	0.000215
487	Cos vs. Lever	6.14041	0	0.000215
486	Jacc vs. Lever	6.120948	0	0.000215
485	Lever vs. Streng	6.072292	0	0.000215
484	Lever vs. SupDif	6.072292	0	0.000215
483	Lever vs. WRACC	6.072292	0	0.000215
482	Cover vs. Lever	5.936054	0	0.000215
481	Brins vs. Klos	5.35218	0	0.000215
480	Cole vs. Klos	5.35218	0	0.000215
479	Conf vs. Klos	5.35218	0	0.000215
478	ExCex vs. Klos	5.35218	0	0.000215
477	GR vs. Klos	5.35218	0	0.000215
476	Klos vs. OddsR	5.35218	0	0.000215
475	Klos vs. SeBag	5.35218	0	0.000215
474	Klos vs. Zhang	5.35218	0	0.000215
473	Lever vs. Sup	5.001856	0.000001	0.000215
472	Lap vs. Lever	4.982393	0.000001	0.000215
471	Klos vs. MDisc	4.933737	0.000001	0.000215
470	Brins vs. Cconf	4.924006	0.000001	0.000215
469	Brins vs. Dep	4.924006	0.000001	0.000215
468	Brins vs. InfGain	4.924006	0.000001	0.000215
467	Brins vs. Lift	4.924006	0.000001	0.000215
466	Cconf vs. Cole	4.924006	0.000001	0.000215
465	Cconf vs. Conf	4.924006	0.000001	0.000215
464	Cconf vs. ExCex	4.924006	0.000001	0.000229
463	Cconf vs. GR	4.924006	0.000001	0.000229
462	Cconf vs. OddsR	4.924006	0.000001	0.000229
461	Cconf vs. SeBag	4.924006	0.000001	0.000229
460	Cconf vs. Zhang	4.924006	0.000001	0.000229
459	Cole vs. Dep	4.924006	0.000001	0.000229
458	Cole vs. InfGain	4.924006	0.000001	0.000229
457	Cole vs. Lift	4.924006	0.000001	0.000229
456	Conf vs. Dep	4.924006	0.000001	0.000229
455	Conf vs. InfGain	4.924006	0.000001	0.000229
454	Conf vs. Lift	4.924006	0.000001	0.000229
453	Dep vs. ExCex	4.924006	0.000001	0.000229
452	Dep vs. GR	4.924006	0.000001	0.000229
451	Dep vs. OddsR	4.924006	0.000001	0.000229
450	Dep vs. SeBag	4.924006	0.000001	0.000229

449	Dep vs. Zhang	4.924006	0.000001	0.000229
448	ExCex vs. InfGain	4.924006	0.000001	0.000229
447	ExCex vs. Lift	4.924006	0.000001	0.000229
446	GR vs. InfGain	4.924006	0.000001	0.000229
445	GR vs. Lift	4.924006	0.000001	0.000229
444	InfGain vs. OddsR	4.924006	0.000001	0.000229
443	InfGain vs. SeBag	4.924006	0.000001	0.000229
442	InfGain vs. Zhang	4.924006	0.000001	0.000229
441	Lift vs. OddsR	4.924006	0.000001	0.000229
440	Lift vs. SeBag	4.924006	0.000001	0.000229
439	Lift vs. Zhang	4.924006	0.000001	0.000229
438	ACC vs. Brins	4.816962	0.000001	0.000229
437	ACC vs. Cole	4.816962	0.000001	0.000229
436	ACC vs. Conf	4.816962	0.000001	0.000229
435	ACC vs. ExCex	4.816962	0.000001	0.00023
434	ACC vs. GR	4.816962	0.000001	0.000244
433	ACC vs. OddsR	4.816962	0.000001	0.000244
432	ACC vs. SeBag	4.816962	0.000001	0.000244
431	ACC vs. Zhang	4.816962	0.000001	0.000244
430	Brins vs. RelRisk	4.690456	0.000003	0.000244
429	Cole vs. RelRisk	4.690456	0.000003	0.000244
428	Conf vs. RelRisk	4.690456	0.000003	0.000244
427	ExCex vs. RelRisk	4.690456	0.000003	0.000244
426	GR vs. RelRisk	4.690456	0.000003	0.000244
425	OddsR vs. RelRisk	4.690456	0.000003	0.000244
424	RelRisk vs. SeBag	4.690456	0.000003	0.000244
423	RelRisk vs. Zhang	4.690456	0.000003	0.000244
422	Lever vs. MultInf	4.661262	0.000003	0.000244
421	Cos vs. Klos	4.515294	0.000006	0.000244
420	Cconf vs. MDisc	4.505563	0.000007	0.000244
419	Dep vs. MDisc	4.505563	0.000007	0.000244
418	InfGain vs. MDisc	4.505563	0.000007	0.000244
417	Lift vs. MDisc	4.505563	0.000007	0.000244
416	Jacc vs. Klos	4.495831	0.000007	0.000244
415	Brins vs. NetConf	4.495831	0.000007	0.000244
414	Cole vs. NetConf	4.495831	0.000007	0.000244
413	Conf vs. NetConf	4.495831	0.000007	0.000244
412	ExCex vs. NetConf	4.495831	0.000007	0.000244
411	GR vs. NetConf	4.495831	0.000007	0.000244
410	NetConf vs. OddsR	4.495831	0.000007	0.000244
409	NetConf vs. SeBag	4.495831	0.000007	0.000244
408	NetConf vs. Zhang	4.495831	0.000007	0.000246
407	Brins vs. Spec	4.466638	0.000008	0.000246
406	Cole vs. Spec	4.466638	0.000008	0.000246
405	Conf vs. Spec	4.466638	0.000008	0.00026
404	ExCex vs. Spec	4.466638	0.000008	0.00026
403	GR vs. Spec	4.466638	0.000008	0.00026
402	OddsR vs. Spec	4.466638	0.000008	0.00026
401	SeBag vs. Spec	4.466638	0.000008	0.00026
400	Spec vs. Zhang	4.466638	0.000008	0.00026

399	Klos vs. Streng	4.447175	0.000009	0.00026
398	Klos vs. SupDif	4.447175	0.000009	0.00026
397	Klos vs. WRACC	4.447175	0.000009	0.00026
396	ACC vs. MDisc	4.398519	0.000011	0.00026
395	Brins vs. ColStr	4.369325	0.000012	0.00026
394	Cole vs. ColStr	4.369325	0.000012	0.00026
393	ColStr vs. Conf	4.369325	0.000012	0.00026
392	ColStr vs. ExCex	4.369325	0.000012	0.00026
391	ColStr vs. GR	4.369325	0.000012	0.00026
390	ColStr vs. OddsR	4.369325	0.000012	0.00026
389	ColStr vs. SeBag	4.369325	0.000012	0.00026
388	ColStr vs. Zhang	4.369325	0.000012	0.00026
387	Cover vs. Klos	4.310938	0.000016	0.00026
386	MDisc vs. RelRisk	4.272013	0.000019	0.00026
385	Brins vs. Pearson	4.174701	0.00003	0.00026
384	Cole vs. Pearson	4.174701	0.00003	0.00026
383	Conf vs. Pearson	4.174701	0.00003	0.000262
382	ExCex vs. Pearson	4.174701	0.00003	0.000262
381	GR vs. Pearson	4.174701	0.00003	0.000262
380	OddsR vs. Pearson	4.174701	0.00003	0.000263
379	Pearson vs. SeBag	4.174701	0.00003	0.000264
378	Pearson vs. Zhang	4.174701	0.00003	0.000265
377	Cconf vs. Cos	4.087119	0.000044	0.000277
376	Cos vs. Dep	4.087119	0.000044	0.000277
375	Cos vs. InfGain	4.087119	0.000044	0.000277
374	Cos vs. Lift	4.087119	0.000044	0.000277
373	MDisc vs. NetConf	4.077388	0.000046	0.000277
372	Cconf vs. Jacc	4.067657	0.000047	0.000277
371	Dep vs. Jacc	4.067657	0.000047	0.000277
370	InfGain vs. Jacc	4.067657	0.000047	0.000277
369	Jacc vs. Lift	4.067657	0.000047	0.000277
368	MDisc vs. Spec	4.048195	0.000052	0.000277
367	Cconf vs. Streng	4.019001	0.000058	0.000277
366	Cconf vs. SupDif	4.019001	0.000058	0.000277
365	Cconf vs. WRACC	4.019001	0.000058	0.000277
364	Dep vs. Streng	4.019001	0.000058	0.000277
363	Dep vs. SupDif	4.019001	0.000058	0.000277
362	Dep vs. WRACC	4.019001	0.000058	0.000277
361	InfGain vs. Streng	4.019001	0.000058	0.000277
360	InfGain vs. SupDif	4.019001	0.000058	0.00028
359	InfGain vs. WRACC	4.019001	0.000058	0.00028
358	Lift vs. Streng	4.019001	0.000058	0.00028
357	Lift vs. SupDif	4.019001	0.000058	0.00028
356	Lift vs. WRACC	4.019001	0.000058	0.000282
355	ACC vs. Cos	3.980076	0.000069	0.000282
354	ACC vs. Jacc	3.960613	0.000075	0.000282
353	ColStr vs. MDisc	3.950882	0.000078	0.000283
352	ACC vs. Streng	3.911957	0.000092	0.000284
351	ACC vs. SupDif	3.911957	0.000092	0.000285
350	ACC vs. WRACC	3.911957	0.000092	0.000294

349	Cconf vs. Cover	3.882763	0.000103	0.000294
348	Cover vs. Dep	3.882763	0.000103	0.000294
347	Cover vs. InfGain	3.882763	0.000103	0.000294
346	Cover vs. Lift	3.882763	0.000103	0.000294
345	Cos vs. RelRisk	3.85357	0.000116	0.000294
344	Jacc vs. RelRisk	3.834107	0.000126	0.000294
343	RelRisk vs. Streng	3.785451	0.000153	0.000294
342	RelRisk vs. SupDif	3.785451	0.000153	0.000294
341	RelRisk vs. WRACC	3.785451	0.000153	0.000294
340	ACC vs. Cover	3.77572	0.00016	0.000294
339	MDisc vs. Pearson	3.756257	0.000172	0.000299
338	Cos vs. NetConf	3.658945	0.000253	0.000299
337	Brins vs. X2	3.649214	0.000263	0.000299
336	Cole vs. X2	3.649214	0.000263	0.000299
335	Conf vs. X2	3.649214	0.000263	0.000299
334	ExCex vs. X2	3.649214	0.000263	0.000301
333	GR vs. X2	3.649214	0.000263	0.000301
332	OddsR vs. X2	3.649214	0.000263	0.000301
331	SeBag vs. X2	3.649214	0.000263	0.000302
330	X2 vs. Zhang	3.649214	0.000263	0.000304
329	Cover vs. RelRisk	3.649214	0.000263	0.000304
328	Jacc vs. NetConf	3.639483	0.000273	0.000305
327	Brins vs. Gain	3.629751	0.000284	0.000306
326	Cole vs. Gain	3.629751	0.000284	0.000307
325	Conf vs. Gain	3.629751	0.000284	0.000308
324	ExCex vs. Gain	3.629751	0.000284	0.000312
323	Gain vs. GR	3.629751	0.000284	0.000312
322	Gain vs. OddsR	3.629751	0.000284	0.000312
321	Gain vs. SeBag	3.629751	0.000284	0.000312
320	Gain vs. Zhang	3.629751	0.000284	0.000317
319	Cos vs. Spec	3.629751	0.000284	0.000317
318	Jacc vs. Spec	3.610289	0.000306	0.000317
317	NetConf vs. Streng	3.590826	0.00033	0.000317
316	NetConf vs. SupDif	3.590826	0.00033	0.000317
315	NetConf vs. WRACC	3.590826	0.00033	0.000317
314	Spec vs. Streng	3.561633	0.000369	0.000318
313	Spec vs. SupDif	3.561633	0.000369	0.000319
312	Spec vs. WRACC	3.561633	0.000369	0.000321
311	ColStr vs. Cos	3.532439	0.000412	0.000322
310	ColStr vs. Jacc	3.512976	0.000443	0.000323
309	ColStr vs. Streng	3.46432	0.000532	0.000324
308	ColStr vs. SupDif	3.46432	0.000532	0.000325
307	ColStr vs. WRACC	3.46432	0.000532	0.000326
306	Cover vs. NetConf	3.454589	0.000551	0.000327
305	Cover vs. Spec	3.425395	0.000614	0.000328
304	Klos vs. Sup	3.376739	0.000734	0.000329
303	Klos vs. Lap	3.357277	0.000787	0.00033
302	Gain vs. Lever	3.347545	0.000815	0.000331
301	Cos vs. Pearson	3.337814	0.000844	0.000332
300	ColStr vs. Cover	3.328083	0.000874	0.000333

299	Lever vs. X2	3.328083	0.000874	0.000334
298	Jacc vs. Pearson	3.318352	0.000906	0.000336
297	Pearson vs. Streng	3.269696	0.001077	0.000337
296	Pearson vs. SupDif	3.269696	0.001077	0.000338
295	Pearson vs. WRACC	3.269696	0.001077	0.000339
294	MDisc vs. X2	3.230771	0.001235	0.00034
293	Gain vs. MDisc	3.211308	0.001321	0.000341
292	Cover vs. Pearson	3.133458	0.001728	0.000342
291	Klos vs. MultInf	3.036146	0.002396	0.000344
290	Cconf vs. Sup	2.948565	0.003193	0.000345
289	Dep vs. Sup	2.948565	0.003193	0.000346
288	InfGain vs. Sup	2.948565	0.003193	0.000347
287	Lift vs. Sup	2.948565	0.003193	0.000348
286	Cconf vs. Lap	2.929102	0.003399	0.00035
285	Dep vs. Lap	2.929102	0.003399	0.000351
284	InfGain vs. Lap	2.929102	0.003399	0.000352
283	Lap vs. Lift	2.929102	0.003399	0.000353
282	ACC vs. Sup	2.841521	0.00449	0.000355
281	ACC vs. Lap	2.822059	0.004772	0.000356
280	Cos vs. X2	2.812327	0.004918	0.000357
279	Lever vs. Pearson	2.802596	0.005069	0.000358
278	Jacc vs. X2	2.792865	0.005224	0.00036
277	Cos vs. Gain	2.792865	0.005224	0.000361
276	Gain vs. Jacc	2.773402	0.005547	0.000362
275	Streng vs. X2	2.744209	0.006066	0.000364
274	SupDif vs. X2	2.744209	0.006066	0.000365
273	WRACC vs. X2	2.744209	0.006066	0.000366
272	Gain vs. Streng	2.724746	0.006435	0.000368
271	Gain vs. SupDif	2.724746	0.006435	0.000369
270	Gain vs. WRACC	2.724746	0.006435	0.00037
269	RelRisk vs. Sup	2.715015	0.006627	0.000372
268	Lap vs. RelRisk	2.695553	0.007027	0.000373
267	Cconf vs. MultInf	2.607971	0.009108	0.000375
266	ColStr vs. Lever	2.607971	0.009108	0.000376
265	Cover vs. X2	2.607971	0.009108	0.000377
264	Dep vs. MultInf	2.607971	0.009108	0.000379
263	InfGain vs. MultInf	2.607971	0.009108	0.00038
262	Lift vs. MultInf	2.607971	0.009108	0.000382
261	Cover vs. Gain	2.588509	0.009639	0.000383
260	NetConf vs. Sup	2.52039	0.011722	0.000385
259	Lever vs. Spec	2.510659	0.012051	0.000386
258	ACC vs. MultInf	2.500928	0.012387	0.000388
257	Lap vs. NetConf	2.500928	0.012387	0.000389
256	Spec vs. Sup	2.491197	0.012731	0.000391
255	Lever vs. NetConf	2.481465	0.013084	0.000392
254	Lap vs. Spec	2.471734	0.013446	0.000394
253	ColStr vs. Sup	2.393884	0.016671	0.000395
252	MultInf vs. RelRisk	2.374422	0.017576	0.000397
251	ColStr vs. Lap	2.374422	0.017576	0.000398
250	Brins vs. MultInf	2.316034	0.020556	0.0004

249	Cole vs. MultInf	2.316034	0.020556	0.000402
248	Conf vs. MultInf	2.316034	0.020556	0.000403
247	ExCex vs. MultInf	2.316034	0.020556	0.000405
246	GR vs. MultInf	2.316034	0.020556	0.000407
245	MultInf vs. OddsR	2.316034	0.020556	0.000408
244	MultInf vs. SeBag	2.316034	0.020556	0.00041
243	MultInf vs. Zhang	2.316034	0.020556	0.000412
242	Lever vs. RelRisk	2.286841	0.022205	0.000413
241	Pearson vs. Sup	2.19926	0.027859	0.000415
240	Lap vs. Pearson	2.179797	0.029273	0.000417
239	MultInf vs. NetConf	2.179797	0.029273	0.000418
238	ACC vs. Lever	2.160335	0.030747	0.00042
237	MultInf vs. Spec	2.150603	0.031508	0.000422
236	Cconf vs. Lever	2.053291	0.040044	0.000424
235	ColStr vs. MultInf	2.053291	0.040044	0.000426
234	Dep vs. Lever	2.053291	0.040044	0.000427
233	InfGain vs. Lever	2.053291	0.040044	0.000429
232	Lever vs. Lift	2.053291	0.040044	0.000431
231	Brins vs. Lap	1.994904	0.046053	0.000433
230	Cole vs. Lap	1.994904	0.046053	0.000435
229	Conf vs. Lap	1.994904	0.046053	0.000437
228	ExCex vs. Lap	1.994904	0.046053	0.000439
227	GR vs. Lap	1.994904	0.046053	0.000441
226	Lap vs. OddsR	1.994904	0.046053	0.000442
225	Lap vs. SeBag	1.994904	0.046053	0.000444
224	Lap vs. Zhang	1.994904	0.046053	0.000446
223	Brins vs. Sup	1.975441	0.048218	0.000448
222	Cole vs. Sup	1.975441	0.048218	0.00045
221	Conf vs. Sup	1.975441	0.048218	0.000452
220	ExCex vs. Sup	1.975441	0.048218	0.000455
219	GR vs. Sup	1.975441	0.048218	0.000457
218	OddsR vs. Sup	1.975441	0.048218	0.000459
217	SeBag vs. Sup	1.975441	0.048218	0.000461
216	Sup vs. Zhang	1.975441	0.048218	0.000463
215	MDisc vs. MultInf	1.897591	0.05775	0.000465
214	MultInf vs. Pearson	1.858666	0.063074	0.000467
213	Gain vs. Klos	1.722429	0.084992	0.000469
212	Klos vs. X2	1.702966	0.088574	0.000472
211	Sup vs. X2	1.673773	0.094175	0.000474
210	Lap vs. X2	1.65431	0.098064	0.000476
209	Gain vs. Sup	1.65431	0.098064	0.000478
208	Gain vs. Lap	1.634848	0.102081	0.000481
207	Klos vs. Lever	1.625117	0.104138	0.000483
206	Lap vs. MDisc	1.57646	0.11492	0.000485
205	MDisc vs. Sup	1.556998	0.119471	0.000488
204	Cos vs. MultInf	1.479148	0.139101	0.00049
203	Jacc vs. MultInf	1.459686	0.144377	0.000493
202	MultInf vs. Streng	1.411029	0.158236	0.000495
201	MultInf vs. SupDif	1.411029	0.158236	0.000498
200	MultInf vs. WRACC	1.411029	0.158236	0.0005

199	MultInf vs. X2	1.333179	0.182473	0.000503
198	Gain vs. MultInf	1.313717	0.188941	0.000505
197	Cconf vs. Gain	1.294254	0.195578	0.000508
196	Dep vs. Gain	1.294254	0.195578	0.00051
195	Gain vs. InfGain	1.294254	0.195578	0.000513
194	Gain vs. Lift	1.294254	0.195578	0.000515
193	Cconf vs. X2	1.274792	0.202383	0.000518
192	Cover vs. MultInf	1.274792	0.202383	0.000521
191	Dep vs. X2	1.274792	0.202383	0.000524
190	InfGain vs. X2	1.274792	0.202383	0.000526
189	Lift vs. X2	1.274792	0.202383	0.000529
188	ACC vs. Gain	1.187211	0.235144	0.000532
187	Klos vs. Pearson	1.17748	0.239004	0.000535
186	ACC vs. X2	1.167748	0.242908	0.000538
185	Cos vs. Lap	1.158017	0.246857	0.000541
184	Cos vs. Sup	1.138555	0.254889	0.000543
183	Jacc vs. Lap	1.138555	0.254889	0.000546
182	Jacc vs. Sup	1.119092	0.263101	0.000549
181	Lap vs. Streng	1.089899	0.275758	0.000552
180	Lap vs. SupDif	1.089899	0.275758	0.000556
179	Lap vs. WRACC	1.089899	0.275758	0.000559
178	Streng vs. Sup	1.070436	0.284423	0.000562
177	Sup vs. SupDif	1.070436	0.284423	0.000565
176	Sup vs. WRACC	1.070436	0.284423	0.000568
175	Gain vs. RelRisk	1.060705	0.288824	0.000571
174	Brins vs. Cover	1.041242	0.297763	0.000575
173	Cole vs. Cover	1.041242	0.297763	0.000578
172	Conf vs. Cover	1.041242	0.297763	0.000581
171	Cover vs. ExCex	1.041242	0.297763	0.000585
170	Cover vs. GR	1.041242	0.297763	0.000588
169	Cover vs. OddsR	1.041242	0.297763	0.000592
168	Cover vs. SeBag	1.041242	0.297763	0.000595
167	Cover vs. Zhang	1.041242	0.297763	0.000599
166	RelRisk vs. X2	1.041242	0.297763	0.000602
165	ColStr vs. Klos	0.982855	0.325679	0.000606
164	Cover vs. Lap	0.953661	0.340255	0.00061
163	Cover vs. Sup	0.934199	0.350201	0.000613
162	Brins vs. Streng	0.905005	0.365463	0.000617
161	Brins vs. SupDif	0.905005	0.365463	0.000621
160	Brins vs. WRACC	0.905005	0.365463	0.000625
159	Cole vs. Streng	0.905005	0.365463	0.000629
158	Cole vs. SupDif	0.905005	0.365463	0.000633
157	Cole vs. WRACC	0.905005	0.365463	0.000637
156	Conf vs. Streng	0.905005	0.365463	0.000641
155	Conf vs. SupDif	0.905005	0.365463	0.000645
154	Conf vs. WRACC	0.905005	0.365463	0.000649
153	ExCex vs. Streng	0.905005	0.365463	0.000654
152	ExCex vs. SupDif	0.905005	0.365463	0.000658
151	ExCex vs. WRACC	0.905005	0.365463	0.000662
150	GR vs. Streng	0.905005	0.365463	0.000667

149	GR vs. SupDif	0.905005	0.365463	0.000671
148	GR vs. WRACC	0.905005	0.365463	0.000676
147	OddsR vs. Streng	0.905005	0.365463	0.00068
146	OddsR vs. SupDif	0.905005	0.365463	0.000685
145	OddsR vs. WRACC	0.905005	0.365463	0.00069
144	SeBag vs. Streng	0.905005	0.365463	0.000694
143	SeBag vs. SupDif	0.905005	0.365463	0.000699
142	SeBag vs. WRACC	0.905005	0.365463	0.000704
141	Streng vs. Zhang	0.905005	0.365463	0.000709
140	SupDif vs. Zhang	0.905005	0.365463	0.000714
139	WRACC vs. Zhang	0.905005	0.365463	0.000719
138	Klos vs. Spec	0.885543	0.375864	0.000725
137	Gain vs. NetConf	0.86608	0.386446	0.00073
136	Klos vs. NetConf	0.856349	0.391805	0.000735
135	Brins vs. Jacc	0.856349	0.391805	0.000741
134	Cole vs. Jacc	0.856349	0.391805	0.000746
133	Conf vs. Jacc	0.856349	0.391805	0.000752
132	ExCex vs. Jacc	0.856349	0.391805	0.000758
131	GR vs. Jacc	0.856349	0.391805	0.000763
130	Jacc vs. OddsR	0.856349	0.391805	0.000769
129	Jacc vs. SeBag	0.856349	0.391805	0.000775
128	Jacc vs. Zhang	0.856349	0.391805	0.000781
127	NetConf vs. X2	0.846618	0.397208	0.000787
126	Brins vs. Cos	0.836886	0.402656	0.000794
125	Cole vs. Cos	0.836886	0.402656	0.0008
124	Conf vs. Cos	0.836886	0.402656	0.000806
123	Cos vs. ExCex	0.836886	0.402656	0.000813
122	Cos vs. GR	0.836886	0.402656	0.00082
121	Cos vs. OddsR	0.836886	0.402656	0.000826
120	Cos vs. SeBag	0.836886	0.402656	0.000833
119	Cos vs. Zhang	0.836886	0.402656	0.00084
118	Gain vs. Spec	0.836886	0.402656	0.000847
117	Spec vs. X2	0.817424	0.413686	0.000855
116	Cconf vs. Pearson	0.749305	0.453673	0.000862
115	Dep vs. Pearson	0.749305	0.453673	0.00087
114	InfGain vs. Pearson	0.749305	0.453673	0.000877
113	Lift vs. Pearson	0.749305	0.453673	0.000885
112	ColStr vs. Gain	0.739574	0.459559	0.000893
111	ColStr vs. X2	0.720112	0.471456	0.000901
110	Klos vs. RelRisk	0.661724	0.508148	0.000909
109	ACC vs. Pearson	0.642262	0.520703	0.000917
108	Cover vs. MDisc	0.622799	0.533417	0.000926
107	Cconf vs. ColStr	0.55468	0.579113	0.000935
106	ColStr vs. Dep	0.55468	0.579113	0.000943
105	ColStr vs. InfGain	0.55468	0.579113	0.000952
104	ColStr vs. Lift	0.55468	0.579113	0.000962
103	Gain vs. Pearson	0.544949	0.585788	0.000971
102	ACC vs. Klos	0.535218	0.592499	0.00098
101	Pearson vs. X2	0.525487	0.599245	0.00099
100	Pearson vs. RelRisk	0.515756	0.606025	0.001

99	MDisc vs. Streng	0.486562	0.626569	0.00101
98	MDisc vs. SupDif	0.486562	0.626569	0.00102
97	MDisc vs. WRACC	0.486562	0.626569	0.001031
96	Cconf vs. Spec	0.457368	0.647406	0.001042
95	Dep vs. Spec	0.457368	0.647406	0.001053
94	InfGain vs. Spec	0.457368	0.647406	0.001064
93	Lift vs. Spec	0.457368	0.647406	0.001075
92	ACC vs. ColStr	0.447637	0.654415	0.001087
91	Jacc vs. MDisc	0.437906	0.661455	0.001099
90	Cconf vs. NetConf	0.428174	0.668524	0.001111
89	Dep vs. NetConf	0.428174	0.668524	0.001124
88	InfGain vs. NetConf	0.428174	0.668524	0.001136
87	Lift vs. NetConf	0.428174	0.668524	0.001149
86	Cconf vs. Klos	0.428174	0.668524	0.001163
85	Dep vs. Klos	0.428174	0.668524	0.001176
84	InfGain vs. Klos	0.428174	0.668524	0.00119
83	Klos vs. Lift	0.428174	0.668524	0.001205
82	Brins vs. MDisc	0.418443	0.675623	0.00122
81	Cole vs. MDisc	0.418443	0.675623	0.001235
80	Conf vs. MDisc	0.418443	0.675623	0.00125
79	Cos vs. MDisc	0.418443	0.675623	0.001266
78	ExCex vs. MDisc	0.418443	0.675623	0.001282
77	GR vs. MDisc	0.418443	0.675623	0.001299
76	MDisc vs. OddsR	0.418443	0.675623	0.001316
75	MDisc vs. SeBag	0.418443	0.675623	0.001333
74	MDisc vs. Zhang	0.418443	0.675623	0.001351
73	ACC vs. Spec	0.350325	0.726095	0.00137
72	MultInf vs. Sup	0.340593	0.73341	0.001389
71	ACC vs. NetConf	0.321131	0.748111	0.001408
70	ColStr vs. RelRisk	0.321131	0.748111	0.001429
69	Lap vs. MultInf	0.321131	0.748111	0.001449
68	NetConf vs. Pearson	0.321131	0.748111	0.001471
67	Pearson vs. Spec	0.291937	0.770335	0.001493
66	Cconf vs. RelRisk	0.23355	0.815335	0.001515
65	Dep vs. RelRisk	0.23355	0.815335	0.001538
64	InfGain vs. RelRisk	0.23355	0.815335	0.001562
63	Lift vs. RelRisk	0.23355	0.815335	0.001587
62	RelRisk vs. Spec	0.223818	0.822899	0.001613
61	Cos vs. Cover	0.204356	0.838075	0.001639
60	NetConf vs. RelRisk	0.194625	0.845687	0.001667
59	ColStr vs. Pearson	0.194625	0.845687	0.001695
58	Cover vs. Jacc	0.184893	0.853313	0.001724
57	Cover vs. Streng	0.136237	0.891634	0.001754
56	Cover vs. SupDif	0.136237	0.891634	0.001786
55	Cover vs. WRACC	0.136237	0.891634	0.001818
54	ACC vs. RelRisk	0.126506	0.899331	0.001852
53	ColStr vs. NetConf	0.126506	0.899331	0.001887
52	ACC vs. Cconf	0.107044	0.914754	0.001923
51	ACC vs. Dep	0.107044	0.914754	0.001961
50	ACC vs. InfGain	0.107044	0.914754	0.002

49	ACC vs. Lift	0.107044	0.914754	0.002041
48	ColStr vs. Spec	0.097312	0.922478	0.002083
47	Cos vs. Streng	0.068119	0.945691	0.002128
46	Cos vs. SupDif	0.068119	0.945691	0.002174
45	Cos vs. WRACC	0.068119	0.945691	0.002222
44	Jacc vs. Streng	0.048656	0.961193	0.002273
43	Jacc vs. SupDif	0.048656	0.961193	0.002326
42	Jacc vs. WRACC	0.048656	0.961193	0.002381
41	NetConf vs. Spec	0.029194	0.97671	0.002439
40	Gain vs. X2	0.019462	0.984472	0.0025
39	Cos vs. Jacc	0.019462	0.984472	0.002564
38	Lap vs. Sup	0.019462	0.984472	0.002632
37	Brins vs. Cole	0	1	0.002703
36	Brins vs. Conf	0	1	0.002778
35	Brins vs. ExCex	0	1	0.002857
34	Brins vs. GR	0	1	0.002941
33	Brins vs. OddsR	0	1	0.00303
32	Brins vs. SeBag	0	1	0.003125
31	Brins vs. Zhang	0	1	0.003226
30	Cconf vs. Dep	0	1	0.003333
29	Cconf vs. InfGain	0	1	0.003448
28	Cconf vs. Lift	0	1	0.003571
27	Cole vs. Conf	0	1	0.003704
26	Cole vs. ExCex	0	1	0.003846
25	Cole vs. GR	0	1	0.004
24	Cole vs. OddsR	0	1	0.004167
23	Cole vs. SeBag	0	1	0.004348
22	Cole vs. Zhang	0	1	0.004545
21	Conf vs. ExCex	0	1	0.004762
20	Conf vs. GR	0	1	0.005
19	Conf vs. OddsR	0	1	0.005263
18	Conf vs. SeBag	0	1	0.005556
17	Conf vs. Zhang	0	1	0.005882
16	Dep vs. InfGain	0	1	0.00625
15	Dep vs. Lift	0	1	0.006667
14	ExCex vs. GR	0	1	0.007143
13	ExCex vs. OddsR	0	1	0.007692
12	ExCex vs. SeBag	0	1	0.008333
11	ExCex vs. Zhang	0	1	0.009091
10	GR vs. OddsR	0	1	0.01
9	GR vs. SeBag	0	1	0.011111
8	GR vs. Zhang	0	1	0.0125
7	InfGain vs. Lift	0	1	0.014286
6	OddsR vs. SeBag	0	1	0.016667
5	OddsR vs. Zhang	0	1	0.02
4	SeBag vs. Zhang	0	1	0.025
3	Streng vs. SupDif	0	1	0.033333
2	Streng vs. WRACC	0	1	0.05
1	SupDif vs. WRACC	0	1	0.1

Table 3: P-values Table for $\alpha = 0.10$

Shaffer's procedure rejects those hypotheses that have an unadjusted p-value ≤ 0.000202 .

2.3 Adjusted p-values

i	hypothesis	unadjusted p	p_{Shaf}
1	Brins vs .Lever	0	0
2	Cole vs .Lever	0	0
3	Conf vs .Lever	0	0
4	ExCex vs .Lever	0	0
5	GR vs .Lever	0	0
6	Lever vs .OddsR	0	0
7	Lever vs .SeBag	0	0
8	Lever vs .Zhang	0	0
9	Lever vs .MDisc	0	0
10	Cos vs .Lever	0	0
11	Jacc vs .Lever	0	0
12	Lever vs .Streng	0	0.000001
13	Lever vs .SupDif	0	0.000001
14	Lever vs .WRACC	0	0.000001
15	Cover vs .Lever	0	0.000001
16	Brins vs .Klos	0	0.00004
17	Cole vs .Klos	0	0.00004
18	Conf vs .Klos	0	0.00004
19	ExCex vs .Klos	0	0.00004
20	GR vs .Klos	0	0.00004
21	Klos vs .OddsR	0	0.00004
22	Klos vs .SeBag	0	0.00004
23	Klos vs .Zhang	0	0.00004
24	Lever vs .Sup	0.000001	0.000264
25	Lap vs .Lever	0.000001	0.000292
26	Klos vs .MDisc	0.000001	0.000375
27	Brins vs .Cconf	0.000001	0.000394
28	Brins vs .Dep	0.000001	0.000394
29	Brins vs .InfGain	0.000001	0.000394
30	Brins vs .Lift	0.000001	0.000394
31	Cconf vs .Cole	0.000001	0.000394
32	Cconf vs .Conf	0.000001	0.000394
33	Cconf vs .ExCex	0.000001	0.000394
34	Cconf vs .GR	0.000001	0.000394
35	Cconf vs .OddsR	0.000001	0.000394
36	Cconf vs .SeBag	0.000001	0.000394
37	Cconf vs .Zhang	0.000001	0.000394
38	Cole vs .Dep	0.000001	0.000394
39	Cole vs .InfGain	0.000001	0.000394
40	Cole vs .Lift	0.000001	0.000394
41	Conf vs .Dep	0.000001	0.000394
42	Conf vs .InfGain	0.000001	0.000394
43	Conf vs .Lift	0.000001	0.000394
44	Dep vs .ExCex	0.000001	0.000394
45	Dep vs .GR	0.000001	0.000394
46	Dep vs .OddsR	0.000001	0.000394

47	Dep vs .SeBag	0.000001	0.000394
48	Dep vs .Zhang	0.000001	0.000394
49	ExCex vs .InfGain	0.000001	0.000394
50	ExCex vs .Lift	0.000001	0.000394
51	GR vs .InfGain	0.000001	0.000394
52	GR vs .Lift	0.000001	0.000394
53	InfGain vs .OddsR	0.000001	0.000394
54	InfGain vs .SeBag	0.000001	0.000394
55	InfGain vs .Zhang	0.000001	0.000394
56	Lift vs .OddsR	0.000001	0.000394
57	Lift vs .SeBag	0.000001	0.000394
58	Lift vs .Zhang	0.000001	0.000394
59	ACC vs .Brins	0.000001	0.000636
60	ACC vs .Cole	0.000001	0.000636
61	ACC vs .Conf	0.000001	0.000636
62	ACC vs .ExCex	0.000001	0.000636
63	ACC vs .GR	0.000001	0.000636
64	ACC vs .OddsR	0.000001	0.000636
65	ACC vs .SeBag	0.000001	0.000636
66	ACC vs .Zhang	0.000001	0.000636
67	Brins vs .RelRisk	0.000003	0.001115
68	Cole vs .RelRisk	0.000003	0.001115
69	Conf vs .RelRisk	0.000003	0.001115
70	ExCex vs .RelRisk	0.000003	0.001115
71	GR vs .RelRisk	0.000003	0.001115
72	OddsR vs .RelRisk	0.000003	0.001115
73	RelRisk vs .SeBag	0.000003	0.001115
74	RelRisk vs .Zhang	0.000003	0.001115
75	Lever vs .MultInf	0.000003	0.001285
76	Cos vs .Klos	0.000006	0.002586
77	Cconf vs .MDisc	0.000007	0.002707
78	Dep vs .MDisc	0.000007	0.002707
79	InfGain vs .MDisc	0.000007	0.002707
80	Lift vs .MDisc	0.000007	0.002707
81	Jacc vs .Klos	0.000007	0.002834
82	Brins vs .NetConf	0.000007	0.002834
83	Cole vs .NetConf	0.000007	0.002834
84	Conf vs .NetConf	0.000007	0.002834
85	ExCex vs .NetConf	0.000007	0.002834
86	GR vs .NetConf	0.000007	0.002834
87	NetConf vs .OddsR	0.000007	0.002834
88	NetConf vs .SeBag	0.000007	0.002834
89	NetConf vs .Zhang	0.000007	0.002834
90	Brins vs .Spec	0.000008	0.003234
91	Cole vs .Spec	0.000008	0.003234
92	Conf vs .Spec	0.000008	0.003234
93	ExCex vs .Spec	0.000008	0.003234
94	GR vs .Spec	0.000008	0.003234
95	OddsR vs .Spec	0.000008	0.003234
96	SeBag vs .Spec	0.000008	0.003234

97	Spec vs .Zhang	0.000008	0.003234
98	Klos vs .Streng	0.000009	0.003341
99	Klos vs .SupDif	0.000009	0.003341
100	Klos vs .WRACC	0.000009	0.003341
101	ACC vs .MDisc	0.000011	0.004185
102	Brins vs .ColStr	0.000012	0.004786
103	Cole vs .ColStr	0.000012	0.004786
104	ColStr vs .Conf	0.000012	0.004786
105	ColStr vs .ExCex	0.000012	0.004786
106	ColStr vs .GR	0.000012	0.004786
107	ColStr vs .OddsR	0.000012	0.004786
108	ColStr vs .SeBag	0.000012	0.004786
109	ColStr vs .Zhang	0.000012	0.004786
110	Cover vs .Klos	0.000016	0.006242
111	MDisc vs .RelRisk	0.000019	0.007439
112	Brins vs .Pearson	0.00003	0.011458
113	Cole vs .Pearson	0.00003	0.011458
114	Conf vs .Pearson	0.00003	0.011458
115	ExCex vs .Pearson	0.00003	0.011458
116	GR vs .Pearson	0.00003	0.011458
117	OddsR vs .Pearson	0.00003	0.011458
118	Pearson vs .SeBag	0.00003	0.011458
119	Pearson vs .Zhang	0.00003	0.011458
120	Cconf vs .Cos	0.000044	0.015767
121	Cos vs .Dep	0.000044	0.015767
122	Cos vs .InfGain	0.000044	0.015767
123	Cos vs .Lift	0.000044	0.015767
124	MDisc vs .NetConf	0.000046	0.016442
125	Cconf vs .Jacc	0.000047	0.017143
126	Dep vs .Jacc	0.000047	0.017143
127	InfGain vs .Jacc	0.000047	0.017143
128	Jacc vs .Lift	0.000047	0.017143
129	MDisc vs .Spec	0.000052	0.018633
130	Cconf vs .Streng	0.000058	0.021099
131	Cconf vs .SupDif	0.000058	0.021099
132	Cconf vs .WRACC	0.000058	0.021099
133	Dep vs .Streng	0.000058	0.021099
134	Dep vs .SupDif	0.000058	0.021099
135	Dep vs .WRACC	0.000058	0.021099
136	InfGain vs .Streng	0.000058	0.021099
137	InfGain vs .SupDif	0.000058	0.021099
138	InfGain vs .WRACC	0.000058	0.021099
139	Lift vs .Streng	0.000058	0.021099
140	Lift vs .SupDif	0.000058	0.021099
141	Lift vs .WRACC	0.000058	0.021099
142	ACC vs .Cos	0.000069	0.024457
143	ACC vs .Jacc	0.000075	0.026464
144	ColStr vs .MDisc	0.000078	0.027486
145	ACC vs .Streng	0.000092	0.032226
146	ACC vs .SupDif	0.000092	0.032226

147	ACC vs .WRACC	0.000092	0.032226
148	Cconf vs .Cover	0.000103	0.035114
149	Cover vs .Dep	0.000103	0.035114
150	Cover vs .InfGain	0.000103	0.035114
151	Cover vs .Lift	0.000103	0.035114
152	Cos vs .RelRisk	0.000116	0.039579
153	Jacc vs .RelRisk	0.000126	0.042847
154	RelRisk vs .Streng	0.000153	0.052166
155	RelRisk vs .SupDif	0.000153	0.052166
156	RelRisk vs .WRACC	0.000153	0.052166
157	ACC vs .Cover	0.00016	0.054246
158	MDisc vs .Pearson	0.000172	0.057779
159	Cos vs .NetConf	0.000253	0.084841
160	Brins vs .X2	0.000263	0.08812
161	Cole vs .X2	0.000263	0.08812
162	Conf vs .X2	0.000263	0.08812
163	ExCex vs .X2	0.000263	0.08812
164	GR vs .X2	0.000263	0.08812
165	OddsR vs .X2	0.000263	0.08812
166	SeBag vs .X2	0.000263	0.08812
167	X2 vs .Zhang	0.000263	0.08812
168	Cover vs .RelRisk	0.000263	0.08812
169	Jacc vs .NetConf	0.000273	0.089605
170	Brins vs .Gain	0.000284	0.092768
171	Cole vs .Gain	0.000284	0.092768
172	Conf vs .Gain	0.000284	0.092768
173	ExCex vs .Gain	0.000284	0.092768
174	Gain vs .GR	0.000284	0.092768
175	Gain vs .OddsR	0.000284	0.092768
176	Gain vs .SeBag	0.000284	0.092768
177	Gain vs .Zhang	0.000284	0.092768
178	Cos vs .Spec	0.000284	0.092768
179	Jacc vs .Spec	0.000306	0.096345
180	NetConf vs .Streng	0.00033	0.103834
181	NetConf vs .SupDif	0.00033	0.103834
182	NetConf vs .WRACC	0.00033	0.103834
183	Spec vs .Streng	0.000369	0.114621
184	Spec vs .SupDif	0.000369	0.114621
185	Spec vs .WRACC	0.000369	0.114621
186	ColStr vs .Cos	0.000412	0.128053
187	ColStr vs .Jacc	0.000443	0.137366
188	ColStr vs .Streng	0.000532	0.164256
189	ColStr vs .SupDif	0.000532	0.164256
190	ColStr vs .WRACC	0.000532	0.164256
191	Cover vs .NetConf	0.000551	0.168646
192	Cover vs .Spec	0.000614	0.187241
193	Klos vs .Sup	0.000734	0.222986
194	Klos vs .Lap	0.000787	0.238504
195	Gain vs .Lever	0.000815	0.246222
196	Cos vs .Pearson	0.000844	0.254165

197	ColStr vs .Cover	0.000874	0.262337
198	Lever vs .X2	0.000874	0.262337
199	Jacc vs .Pearson	0.000906	0.268935
200	Pearson vs .Streng	0.001077	0.31976
201	Pearson vs .SupDif	0.001077	0.31976
202	Pearson vs .WRACC	0.001077	0.31976
203	MDisc vs .X2	0.001235	0.360494
204	Gain vs .MDisc	0.001321	0.385826
205	Cover vs .Pearson	0.001728	0.504458
206	Klos vs .MultInf	0.002396	0.697304
207	Cconf vs .Sup	0.003193	0.922642
208	Dep vs .Sup	0.003193	0.922642
209	InfGain vs .Sup	0.003193	0.922642
210	Lift vs .Sup	0.003193	0.922642
211	Cconf vs .Lap	0.003399	0.972236
212	Dep vs .Lap	0.003399	0.972236
213	InfGain vs .Lap	0.003399	0.972236
214	Lap vs .Lift	0.003399	0.972236
215	ACC vs .Sup	0.00449	1.266148
216	ACC vs .Lap	0.004772	1.340832
217	Cos vs .X2	0.004918	1.377163
218	Lever vs .Pearson	0.005069	1.414337
219	Jacc vs .X2	0.005224	1.452369
220	Cos vs .Gain	0.005224	1.452369
221	Gain vs .Jacc	0.005547	1.531068
222	Streng vs .X2	0.006066	1.668066
223	SupDif vs .X2	0.006066	1.668066
224	WRACC vs .X2	0.006066	1.668066
225	Gain vs .Streng	0.006435	1.74391
226	Gain vs .SupDif	0.006435	1.74391
227	Gain vs .WRACC	0.006435	1.74391
228	RelRisk vs .Sup	0.006627	1.782737
229	Lap vs .RelRisk	0.007027	1.883289
230	Cconf vs .MultInf	0.009108	2.431851
231	ColStr vs .Lever	0.009108	2.431851
232	Cover vs .X2	0.009108	2.431851
233	Dep vs .MultInf	0.009108	2.431851
234	InfGain vs .MultInf	0.009108	2.431851
235	Lift vs .MultInf	0.009108	2.431851
236	Cover vs .Gain	0.009639	2.515842
237	NetConf vs .Sup	0.011722	3.047844
238	Lever vs .Spec	0.012051	3.121106
239	ACC vs .MultInf	0.012387	3.195805
240	Lap vs .NetConf	0.012387	3.195805
241	Spec vs .Sup	0.012731	3.259229
242	Lever vs .NetConf	0.013084	3.336507
243	Lap vs .Spec	0.013446	3.41527
244	ColStr vs .Sup	0.016671	4.217765
245	MultInf vs .RelRisk	0.017576	4.429268
246	ColStr vs .Lap	0.017576	4.429268

247	Brins vs .MultInf	0.020556	5.118542
248	Cole vs .MultInf	0.020556	5.118542
249	Conf vs .MultInf	0.020556	5.118542
250	ExCex vs .MultInf	0.020556	5.118542
251	GR vs .MultInf	0.020556	5.118542
252	MultInf vs .OddsR	0.020556	5.118542
253	MultInf vs .SeBag	0.020556	5.118542
254	MultInf vs .Zhang	0.020556	5.118542
255	Lever vs .RelRisk	0.022205	5.37364
256	Pearson vs .Sup	0.027859	6.714133
257	Lap vs .Pearson	0.029273	7.025402
258	MultInf vs .NetConf	0.029273	7.025402
259	ACC vs .Lever	0.030747	7.317733
260	MultInf vs .Spec	0.031508	7.467283
261	Cconf vs .Lever	0.040044	9.450471
262	ColStr vs .MultInf	0.040044	9.450471
263	Dep vs .Lever	0.040044	9.450471
264	InfGain vs .Lever	0.040044	9.450471
265	Lever vs .Lift	0.040044	9.450471
266	Brins vs .Lap	0.046053	10.638336
267	Cole vs .Lap	0.046053	10.638336
268	Conf vs .Lap	0.046053	10.638336
269	ExCex vs .Lap	0.046053	10.638336
270	GR vs .Lap	0.046053	10.638336
271	Lap vs .OddsR	0.046053	10.638336
272	Lap vs .SeBag	0.046053	10.638336
273	Lap vs .Zhang	0.046053	10.638336
274	Brins vs .Sup	0.048218	10.75264
275	Cole vs .Sup	0.048218	10.75264
276	Conf vs .Sup	0.048218	10.75264
277	ExCex vs .Sup	0.048218	10.75264
278	GR vs .Sup	0.048218	10.75264
279	OddsR vs .Sup	0.048218	10.75264
280	SeBag vs .Sup	0.048218	10.75264
281	Sup vs .Zhang	0.048218	10.75264
282	MDisc vs .MultInf	0.05775	12.416241
283	MultInf vs .Pearson	0.063074	13.497935
284	Gain vs .Klos	0.084992	18.103264
285	Klos vs .X2	0.088574	18.777762
286	Sup vs .X2	0.094175	19.870983
287	Lap vs .X2	0.098064	20.593543
288	Gain vs .Sup	0.098064	20.593543
289	Gain vs .Lap	0.102081	21.23284
290	Klos vs .Lever	0.104138	21.55651
291	Lap vs .MDisc	0.11492	23.673468
292	MDisc vs .Sup	0.119471	24.491552
293	Cos vs .MultInf	0.139101	28.376556
294	Jacc vs .MultInf	0.144377	29.308434
295	MultInf vs .Streng	0.158236	31.963665
296	MultInf vs .SupDif	0.158236	31.963665

297	MultInf vs .WRACC	0.158236	31.963665
298	MultInf vs .X2	0.182473	36.312112
299	Gain vs .MultInf	0.188941	37.410411
300	Cconf vs .Gain	0.195578	38.528773
301	Dep vs .Gain	0.195578	38.528773
302	Gain vs .InfGain	0.195578	38.528773
303	Gain vs .Lift	0.195578	38.528773
304	Cconf vs .X2	0.202383	39.059893
305	Cover vs .MultInf	0.202383	39.059893
306	Dep vs .X2	0.202383	39.059893
307	InfGain vs .X2	0.202383	39.059893
308	Lift vs .X2	0.202383	39.059893
309	ACC vs .Gain	0.235144	44.207156
310	Klos vs .Pearson	0.239004	44.693769
311	ACC vs .X2	0.242908	45.180937
312	Cos vs .Lap	0.246857	45.66855
313	Cos vs .Sup	0.254889	46.899563
314	Jacc vs .Lap	0.254889	46.899563
315	Jacc vs .Sup	0.263101	47.884344
316	Lap vs .Streng	0.275758	49.91217
317	Lap vs .SupDif	0.275758	49.91217
318	Lap vs .WRACC	0.275758	49.91217
319	Streng vs .Sup	0.284423	50.627308
320	Sup vs .SupDif	0.284423	50.627308
321	Sup vs .WRACC	0.284423	50.627308
322	Gain vs .RelRisk	0.288824	50.627308
323	Brins vs .Cover	0.297763	51.810778
324	Cole vs .Cover	0.297763	51.810778
325	Conf vs .Cover	0.297763	51.810778
326	Cover vs .ExCex	0.297763	51.810778
327	Cover vs .GR	0.297763	51.810778
328	Cover vs .OddsR	0.297763	51.810778
329	Cover vs .SeBag	0.297763	51.810778
330	Cover vs .Zhang	0.297763	51.810778
331	RelRisk vs .X2	0.297763	51.810778
332	ColStr vs .Klos	0.325679	53.73701
333	Cover vs .Lap	0.340255	55.801847
334	Cover vs .Sup	0.350201	57.082826
335	Brins vs .Streng	0.365463	59.204962
336	Brins vs .SupDif	0.365463	59.204962
337	Brins vs .WRACC	0.365463	59.204962
338	Cole vs .Streng	0.365463	59.204962
339	Cole vs .SupDif	0.365463	59.204962
340	Cole vs .WRACC	0.365463	59.204962
341	Conf vs .Streng	0.365463	59.204962
342	Conf vs .SupDif	0.365463	59.204962
343	Conf vs .WRACC	0.365463	59.204962
344	ExCex vs .Streng	0.365463	59.204962
345	ExCex vs .SupDif	0.365463	59.204962
346	ExCex vs .WRACC	0.365463	59.204962

347	GR vs .Streng	0.365463	59.204962
348	GR vs .SupDif	0.365463	59.204962
349	GR vs .WRACC	0.365463	59.204962
350	OddsR vs .Streng	0.365463	59.204962
351	OddsR vs .SupDif	0.365463	59.204962
352	OddsR vs .WRACC	0.365463	59.204962
353	SeBag vs .Streng	0.365463	59.204962
354	SeBag vs .SupDif	0.365463	59.204962
355	SeBag vs .WRACC	0.365463	59.204962
356	Streng vs .Zhang	0.365463	59.204962
357	SupDif vs .Zhang	0.365463	59.204962
358	WRACC vs .Zhang	0.365463	59.204962
359	Klos vs .Spec	0.375864	59.204962
360	Gain vs .NetConf	0.386446	59.204962
361	Klos vs .NetConf	0.391805	59.204962
362	Brins vs .Jacc	0.391805	59.204962
363	Cole vs .Jacc	0.391805	59.204962
364	Conf vs .Jacc	0.391805	59.204962
365	ExCex vs .Jacc	0.391805	59.204962
366	GR vs .Jacc	0.391805	59.204962
367	Jacc vs .OddsR	0.391805	59.204962
368	Jacc vs .SeBag	0.391805	59.204962
369	Jacc vs .Zhang	0.391805	59.204962
370	NetConf vs .X2	0.397208	59.204962
371	Brins vs .Cos	0.402656	59.204962
372	Cole vs .Cos	0.402656	59.204962
373	Conf vs .Cos	0.402656	59.204962
374	Cos vs .ExCex	0.402656	59.204962
375	Cos vs .GR	0.402656	59.204962
376	Cos vs .OddsR	0.402656	59.204962
377	Cos vs .SeBag	0.402656	59.204962
378	Cos vs .Zhang	0.402656	59.204962
379	Gain vs .Spec	0.402656	59.204962
380	Spec vs .X2	0.413686	59.204962
381	Cconf vs .Pearson	0.453673	59.204962
382	Dep vs .Pearson	0.453673	59.204962
383	InfGain vs .Pearson	0.453673	59.204962
384	Lift vs .Pearson	0.453673	59.204962
385	ColStr vs .Gain	0.459559	59.204962
386	ColStr vs .X2	0.471456	59.204962
387	Klos vs .RelRisk	0.508148	59.204962
388	ACC vs .Pearson	0.520703	59.204962
389	Cover vs .MDisc	0.533417	59.204962
390	Cconf vs .ColStr	0.579113	61.965114
391	ColStr vs .Dep	0.579113	61.965114
392	ColStr vs .InfGain	0.579113	61.965114
393	ColStr vs .Lift	0.579113	61.965114
394	Gain vs .Pearson	0.585788	61.965114
395	ACC vs .Klos	0.592499	61.965114
396	Pearson vs .X2	0.599245	61.965114

397	Pearson vs .RelRisk	0.606025	61.965114
398	MDisc vs .Streng	0.626569	62.030318
399	MDisc vs .SupDif	0.626569	62.030318
400	MDisc vs .WRACC	0.626569	62.030318
401	Cconf vs .Spec	0.647406	62.151021
402	Dep vs .Spec	0.647406	62.151021
403	InfGain vs .Spec	0.647406	62.151021
404	Lift vs .Spec	0.647406	62.151021
405	ACC vs .ColStr	0.654415	62.151021
406	Jacc vs .MDisc	0.661455	62.151021
407	Cconf vs .NetConf	0.668524	62.151021
408	Dep vs .NetConf	0.668524	62.151021
409	InfGain vs .NetConf	0.668524	62.151021
410	Lift vs .NetConf	0.668524	62.151021
411	Cconf vs .Klos	0.668524	62.151021
412	Dep vs .Klos	0.668524	62.151021
413	InfGain vs .Klos	0.668524	62.151021
414	Klos vs .Lift	0.668524	62.151021
415	Brins vs .MDisc	0.675623	62.151021
416	Cole vs .MDisc	0.675623	62.151021
417	Conf vs .MDisc	0.675623	62.151021
418	Cos vs .MDisc	0.675623	62.151021
419	ExCex vs .MDisc	0.675623	62.151021
420	GR vs .MDisc	0.675623	62.151021
421	MDisc vs .OddsR	0.675623	62.151021
422	MDisc vs .SeBag	0.675623	62.151021
423	MDisc vs .Zhang	0.675623	62.151021
424	ACC vs .Spec	0.726095	62.151021
425	MultInf vs .Sup	0.73341	62.151021
426	ACC vs .NetConf	0.748111	62.151021
427	ColStr vs .RelRisk	0.748111	62.151021
428	Lap vs .MultInf	0.748111	62.151021
429	NetConf vs .Pearson	0.748111	62.151021
430	Pearson vs .Spec	0.770335	62.151021
431	Cconf vs .RelRisk	0.815335	62.151021
432	Dep vs .RelRisk	0.815335	62.151021
433	InfGain vs .RelRisk	0.815335	62.151021
434	Lift vs .RelRisk	0.815335	62.151021
435	RelRisk vs .Spec	0.822899	62.151021
436	Cos vs .Cover	0.838075	62.151021
437	NetConf vs .RelRisk	0.845687	62.151021
438	ColStr vs .Pearson	0.845687	62.151021
439	Cover vs .Jacc	0.853313	62.151021
440	Cover vs .Streng	0.891634	62.151021
441	Cover vs .SupDif	0.891634	62.151021
442	Cover vs .WRACC	0.891634	62.151021
443	ACC vs .RelRisk	0.899331	62.151021
444	ColStr vs .NetConf	0.899331	62.151021
445	ACC vs .Cconf	0.914754	62.151021
446	ACC vs .Dep	0.914754	62.151021

447	ACC vs .InfGain	0.914754	62.151021
448	ACC vs .Lift	0.914754	62.151021
449	ColStr vs .Spec	0.922478	62.151021
450	Cos vs .Streng	0.945691	62.151021
451	Cos vs .SupDif	0.945691	62.151021
452	Cos vs .WRACC	0.945691	62.151021
453	Jacc vs .Streng	0.961193	62.151021
454	Jacc vs .SupDif	0.961193	62.151021
455	Jacc vs .WRACC	0.961193	62.151021
456	NetConf vs .Spec	0.97671	62.151021
457	Gain vs .X2	0.984472	62.151021
458	Cos vs .Jacc	0.984472	62.151021
459	Lap vs .Sup	0.984472	62.151021
460	Brins vs .Cole	1	62.151021
461	Brins vs .Conf	1	62.151021
462	Brins vs .ExCex	1	62.151021
463	Brins vs .GR	1	62.151021
464	Brins vs .OddsR	1	62.151021
465	Brins vs .SeBag	1	62.151021
466	Brins vs .Zhang	1	62.151021
467	Cconf vs .Dep	1	62.151021
468	Cconf vs .InfGain	1	62.151021
469	Cconf vs .Lift	1	62.151021
470	Cole vs .Conf	1	62.151021
471	Cole vs .ExCex	1	62.151021
472	Cole vs .GR	1	62.151021
473	Cole vs .OddsR	1	62.151021
474	Cole vs .SeBag	1	62.151021
475	Cole vs .Zhang	1	62.151021
476	Conf vs .ExCex	1	62.151021
477	Conf vs .GR	1	62.151021
478	Conf vs .OddsR	1	62.151021
479	Conf vs .SeBag	1	62.151021
480	Conf vs .Zhang	1	62.151021
481	Dep vs .InfGain	1	62.151021
482	Dep vs .Lift	1	62.151021
483	ExCex vs .GR	1	62.151021
484	ExCex vs .OddsR	1	62.151021
485	ExCex vs .SeBag	1	62.151021
486	ExCex vs .Zhang	1	62.151021
487	GR vs .OddsR	1	62.151021
488	GR vs .SeBag	1	62.151021
489	GR vs .Zhang	1	62.151021
490	InfGain vs .Lift	1	62.151021
491	OddsR vs .SeBag	1	62.151021
492	OddsR vs .Zhang	1	62.151021
493	SeBag vs .Zhang	1	62.151021
494	Streng vs .SupDif	1	62.151021
495	Streng vs .WRACC	1	62.151021

496	SupDif vs .WRACC	1	62.151021
Table 4: Adjusted p -values			