

Tables of the statistical tests considering the imbalanced databases contained in the Bin3.

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March 4, 2016

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	22.625
Brins	9.8125
Cconf	27.5
Cole	9.8125
ColStr	17.875
Conf	9.8125
Cos	9.2812
Cover	9.1562
Dep	27.5
ExCex	9.8125
Gain	17.9062
GR	9.8125
InfGain	27.5
Jacc	8.9375
Klos	24.9062
Lap	16.7188
Lever	32
Lift	27.5
MDisc	11.625
MultInf	13.9688

NetConf	24.125
OddsR	9.8125
Pearson	19.5625
RelRisk	24.4062
SeBag	9.8125
Spec	24.375
Streng	9.4375
Sup	16.4062
SupDif	9.625
WRACC	9.625
X2	16.9375
Zhang	9.8125

Table 1: Average Rankings of the algorithms

Friedman statistic considering reduction performance (distributed according to chi-square with 31 degrees of freedom: 313.488636.

P-value computed by Friedman Test: 1.366997626206512E-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	Jacc vs. Lever	6.953605	0	0.000101
495	Cover vs. Lever	6.88765	0	0.000108
494	Cos vs. Lever	6.849961	0	0.000108
493	Lever vs. Streng	6.80285	0	0.000108
492	Lever vs. SupDif	6.746316	0	0.000108
491	Lever vs. WRACC	6.746316	0	0.000108
490	Brins vs. Lever	6.689783	0	0.000108
489	Cole vs. Lever	6.689783	0	0.000108
488	Conf vs. Lever	6.689783	0	0.000108
487	ExCex vs. Lever	6.689783	0	0.000108
486	GR vs. Lever	6.689783	0	0.000108
485	Lever vs. OddsR	6.689783	0	0.000108
484	Lever vs. SeBag	6.689783	0	0.000108
483	Lever vs. Zhang	6.689783	0	0.000108
482	Lever vs. MDisc	6.143294	0	0.000108
481	Cconf vs. Jacc	5.596804	0	0.000108
480	Dep vs. Jacc	5.596804	0	0.000108
479	InfGain vs. Jacc	5.596804	0	0.000108
478	Jacc vs. Lift	5.596804	0	0.000108
477	Cconf vs. Cover	5.530849	0	0.000108
476	Cover vs. Dep	5.530849	0	0.000108
475	Cover vs. InfGain	5.530849	0	0.000108
474	Cover vs. Lift	5.530849	0	0.000108
473	Cconf vs. Cos	5.49316	0	0.000108
472	Cos vs. Dep	5.49316	0	0.000108
471	Cos vs. InfGain	5.49316	0	0.000108
470	Cos vs. Lift	5.49316	0	0.000108
469	Cconf vs. Streng	5.446049	0	0.000108
468	Dep vs. Streng	5.446049	0	0.000108
467	InfGain vs. Streng	5.446049	0	0.000108
466	Lift vs. Streng	5.446049	0	0.000108
465	Lever vs. MultInf	5.436626	0	0.000108
464	Cconf vs. SupDif	5.389515	0	0.000115
463	Cconf vs. WRACC	5.389515	0	0.000115
462	Dep vs. SupDif	5.389515	0	0.000115
461	Dep vs. WRACC	5.389515	0	0.000115
460	InfGain vs. SupDif	5.389515	0	0.000115
459	InfGain vs. WRACC	5.389515	0	0.000115
458	Lift vs. SupDif	5.389515	0	0.000115
457	Lift vs. WRACC	5.389515	0	0.000115
456	Brins vs. Cconf	5.332982	0	0.000115

455	Brins vs. Dep	5.332982	0	0.000115
454	Brins vs. InfGain	5.332982	0	0.000115
453	Brins vs. Lift	5.332982	0	0.000115
452	Cconf vs. Cole	5.332982	0	0.000115
451	Cconf vs. Conf	5.332982	0	0.000115
450	Cconf vs. ExCex	5.332982	0	0.000115
449	Cconf vs. GR	5.332982	0	0.000115
448	Cconf vs. OddsR	5.332982	0	0.000115
447	Cconf vs. SeBag	5.332982	0	0.000115
446	Cconf vs. Zhang	5.332982	0	0.000115
445	Cole vs. Dep	5.332982	0	0.000115
444	Cole vs. InfGain	5.332982	0	0.000115
443	Cole vs. Lift	5.332982	0	0.000115
442	Conf vs. Dep	5.332982	0	0.000115
441	Conf vs. InfGain	5.332982	0	0.000115
440	Conf vs. Lift	5.332982	0	0.000115
439	Dep vs. ExCex	5.332982	0	0.000115
438	Dep vs. GR	5.332982	0	0.000115
437	Dep vs. OddsR	5.332982	0	0.000115
436	Dep vs. SeBag	5.332982	0	0.000115
435	Dep vs. Zhang	5.332982	0	0.000115
434	ExCex vs. InfGain	5.332982	0	0.000122
433	ExCex vs. Lift	5.332982	0	0.000122
432	GR vs. InfGain	5.332982	0	0.000122
431	GR vs. Lift	5.332982	0	0.000122
430	InfGain vs. OddsR	5.332982	0	0.000122
429	InfGain vs. SeBag	5.332982	0	0.000122
428	InfGain vs. Zhang	5.332982	0	0.000122
427	Lift vs. OddsR	5.332982	0	0.000122
426	Lift vs. SeBag	5.332982	0	0.000122
425	Lift vs. Zhang	5.332982	0	0.000122
424	Jacc vs. Klos	4.814759	0.000001	0.000122
423	Cconf vs. MDisc	4.786493	0.000002	0.000122
422	Dep vs. MDisc	4.786493	0.000002	0.000122
421	InfGain vs. MDisc	4.786493	0.000002	0.000122
420	Lift vs. MDisc	4.786493	0.000002	0.000122
419	Cover vs. Klos	4.748804	0.000002	0.000122
418	Cos vs. Klos	4.711115	0.000002	0.000122
417	Lever vs. Sup	4.701693	0.000003	0.000122
416	Jacc vs. RelRisk	4.664004	0.000003	0.000122
415	Klos vs. Streng	4.664004	0.000003	0.000122
414	Jacc vs. Spec	4.654581	0.000003	0.000122
413	Klos vs. SupDif	4.60747	0.000004	0.000122
412	Klos vs. WRACC	4.60747	0.000004	0.000122
411	Lap vs. Lever	4.60747	0.000004	0.000122
410	Cover vs. RelRisk	4.598048	0.000004	0.000122
409	Cover vs. Spec	4.588626	0.000004	0.000122
408	Jacc vs. NetConf	4.579204	0.000005	0.000123
407	Cos vs. RelRisk	4.560359	0.000005	0.000123
406	Brins vs. Klos	4.550937	0.000005	0.000123

405	Cole vs. Klos	4.550937	0.000005	0.00013
404	Conf vs. Klos	4.550937	0.000005	0.00013
403	Cos vs. Spec	4.550937	0.000005	0.00013
402	ExCex vs. Klos	4.550937	0.000005	0.00013
401	GR vs. Klos	4.550937	0.000005	0.00013
400	Klos vs. OddsR	4.550937	0.000005	0.00013
399	Klos vs. SeBag	4.550937	0.000005	0.00013
398	Klos vs. Zhang	4.550937	0.000005	0.00013
397	Lever vs. X2	4.541515	0.000006	0.00013
396	Cover vs. NetConf	4.513248	0.000006	0.00013
395	RelRisk vs. Streng	4.513248	0.000006	0.00013
394	Spec vs. Streng	4.503826	0.000007	0.00013
393	Cos vs. NetConf	4.475559	0.000008	0.00013
392	RelRisk vs. SupDif	4.456715	0.000008	0.00013
391	RelRisk vs. WRACC	4.456715	0.000008	0.00013
390	Spec vs. SupDif	4.447292	0.000009	0.00013
389	Spec vs. WRACC	4.447292	0.000009	0.00013
388	NetConf vs. Streng	4.428448	0.000009	0.00013
387	Brins vs. RelRisk	4.400181	0.000011	0.00013
386	Cole vs. RelRisk	4.400181	0.000011	0.00013
385	Conf vs. RelRisk	4.400181	0.000011	0.00013
384	ExCex vs. RelRisk	4.400181	0.000011	0.00013
383	GR vs. RelRisk	4.400181	0.000011	0.000131
382	OddsR vs. RelRisk	4.400181	0.000011	0.000131
381	RelRisk vs. SeBag	4.400181	0.000011	0.000131
380	RelRisk vs. Zhang	4.400181	0.000011	0.000132
379	Brins vs. Spec	4.390759	0.000011	0.000132
378	Cole vs. Spec	4.390759	0.000011	0.000132
377	Conf vs. Spec	4.390759	0.000011	0.000139
376	ExCex vs. Spec	4.390759	0.000011	0.000139
375	GR vs. Spec	4.390759	0.000011	0.000139
374	OddsR vs. Spec	4.390759	0.000011	0.000139
373	SeBag vs. Spec	4.390759	0.000011	0.000139
372	Spec vs. Zhang	4.390759	0.000011	0.000139
371	NetConf vs. SupDif	4.371914	0.000012	0.000139
370	NetConf vs. WRACC	4.371914	0.000012	0.000139
369	Brins vs. NetConf	4.315381	0.000016	0.000139
368	Cole vs. NetConf	4.315381	0.000016	0.000139
367	Conf vs. NetConf	4.315381	0.000016	0.000139
366	ExCex vs. NetConf	4.315381	0.000016	0.000139
365	GR vs. NetConf	4.315381	0.000016	0.000139
364	NetConf vs. OddsR	4.315381	0.000016	0.000139
363	NetConf vs. SeBag	4.315381	0.000016	0.000139
362	NetConf vs. Zhang	4.315381	0.000016	0.000139
361	ColStr vs. Lever	4.258848	0.000021	0.000139
360	Gain vs. Lever	4.249426	0.000021	0.00014
359	ACC vs. Jacc	4.126937	0.000037	0.00014
358	Cconf vs. MultInf	4.079825	0.000045	0.00014
357	Dep vs. MultInf	4.079825	0.000045	0.00014
356	InfGain vs. MultInf	4.079825	0.000045	0.000141

355	Lift vs. MultInf	4.079825	0.000045	0.000141
354	ACC vs. Cover	4.060981	0.000049	0.000141
353	ACC vs. Cos	4.023292	0.000057	0.000142
352	Klos vs. MDisc	4.004448	0.000062	0.000142
351	ACC vs. Streng	3.976181	0.00007	0.000142
350	ACC vs. SupDif	3.919647	0.000089	0.000147
349	ACC vs. WRACC	3.919647	0.000089	0.000147
348	ACC vs. Brins	3.863114	0.000112	0.000147
347	ACC vs. Cole	3.863114	0.000112	0.000147
346	ACC vs. Conf	3.863114	0.000112	0.000147
345	ACC vs. ExCex	3.863114	0.000112	0.000147
344	ACC vs. GR	3.863114	0.000112	0.000147
343	ACC vs. OddsR	3.863114	0.000112	0.000147
342	ACC vs. SeBag	3.863114	0.000112	0.000147
341	ACC vs. Zhang	3.863114	0.000112	0.000147
340	MDisc vs. RelRisk	3.853692	0.000116	0.000147
339	MDisc vs. Spec	3.84427	0.000121	0.000149
338	MDisc vs. NetConf	3.768892	0.000164	0.000149
337	Lever vs. Pearson	3.750047	0.000177	0.000149
336	Cconf vs. Sup	3.344891	0.000823	0.000149
335	Dep vs. Sup	3.344891	0.000823	0.000149
334	InfGain vs. Sup	3.344891	0.000823	0.00015
333	Lift vs. Sup	3.344891	0.000823	0.00015
332	ACC vs. MDisc	3.316625	0.000911	0.000151
331	Klos vs. MultInf	3.29778	0.000975	0.000151
330	Cconf vs. Lap	3.250669	0.001151	0.000152
329	Dep vs. Lap	3.250669	0.001151	0.000152
328	InfGain vs. Lap	3.250669	0.001151	0.000152
327	Lap vs. Lift	3.250669	0.001151	0.000153
326	Jacc vs. Pearson	3.203558	0.001357	0.000153
325	Cconf vs. X2	3.184714	0.001449	0.000154
324	Dep vs. X2	3.184714	0.001449	0.000154
323	InfGain vs. X2	3.184714	0.001449	0.000155
322	Lift vs. X2	3.184714	0.001449	0.000155
321	MultInf vs. RelRisk	3.147025	0.001649	0.000156
320	Cover vs. Pearson	3.137602	0.001703	0.000156
319	MultInf vs. Spec	3.137602	0.001703	0.000157
318	Cos vs. Pearson	3.099914	0.001936	0.000157
317	MultInf vs. NetConf	3.062225	0.002197	0.000158
316	Pearson vs. Streng	3.052802	0.002267	0.000158
315	Pearson vs. SupDif	2.996269	0.002733	0.000159
314	Pearson vs. WRACC	2.996269	0.002733	0.000159
313	Brins vs. Pearson	2.939736	0.003285	0.00016
312	Cole vs. Pearson	2.939736	0.003285	0.00016
311	Conf vs. Pearson	2.939736	0.003285	0.000161
310	ExCex vs. Pearson	2.939736	0.003285	0.000161
309	GR vs. Pearson	2.939736	0.003285	0.000162
308	OddsR vs. Pearson	2.939736	0.003285	0.000162
307	Pearson vs. SeBag	2.939736	0.003285	0.000163
306	Pearson vs. Zhang	2.939736	0.003285	0.000163

305	Cconf vs. ColStr	2.902047	0.003707	0.000164
304	ColStr vs. Dep	2.902047	0.003707	0.000164
303	ColStr vs. InfGain	2.902047	0.003707	0.000165
302	ColStr vs. Lift	2.902047	0.003707	0.000166
301	Cconf vs. Gain	2.892624	0.00382	0.000166
300	Dep vs. Gain	2.892624	0.00382	0.000167
299	Gain vs. InfGain	2.892624	0.00382	0.000167
298	Gain vs. Lift	2.892624	0.00382	0.000168
297	ACC vs. Lever	2.826669	0.004703	0.000168
296	Gain vs. Jacc	2.70418	0.006847	0.000169
295	ColStr vs. Jacc	2.694758	0.007044	0.000169
294	Cover vs. Gain	2.638224	0.008334	0.00017
293	ColStr vs. Cover	2.628802	0.008569	0.000171
292	ACC vs. MultInf	2.609958	0.009055	0.000171
291	Cos vs. Gain	2.600535	0.009308	0.000172
290	ColStr vs. Cos	2.591113	0.009567	0.000172
289	Klos vs. Sup	2.562846	0.010382	0.000173
288	Gain vs. Streng	2.553424	0.010667	0.000174
287	ColStr vs. Streng	2.544002	0.010959	0.000174
286	Gain vs. SupDif	2.496891	0.012529	0.000175
285	Gain vs. WRACC	2.496891	0.012529	0.000175
284	ColStr vs. SupDif	2.487469	0.012866	0.000176
283	ColStr vs. WRACC	2.487469	0.012866	0.000177
282	Klos vs. Lap	2.468624	0.013563	0.000177
281	Brins vs. Gain	2.440357	0.014673	0.000178
280	Cole vs. Gain	2.440357	0.014673	0.000179
279	Conf vs. Gain	2.440357	0.014673	0.000179
278	ExCex vs. Gain	2.440357	0.014673	0.00018
277	Gain vs. GR	2.440357	0.014673	0.000181
276	Gain vs. OddsR	2.440357	0.014673	0.000181
275	Gain vs. SeBag	2.440357	0.014673	0.000182
274	Gain vs. Zhang	2.440357	0.014673	0.000182
273	Brins vs. ColStr	2.430935	0.01506	0.000183
272	Cole vs. ColStr	2.430935	0.01506	0.000184
271	ColStr vs. Conf	2.430935	0.01506	0.000185
270	ColStr vs. ExCex	2.430935	0.01506	0.000185
269	ColStr vs. GR	2.430935	0.01506	0.000186
268	ColStr vs. OddsR	2.430935	0.01506	0.000187
267	ColStr vs. SeBag	2.430935	0.01506	0.000187
266	ColStr vs. Zhang	2.430935	0.01506	0.000188
265	Jacc vs. X2	2.412091	0.015861	0.000189
264	RelRisk vs. Sup	2.412091	0.015861	0.000189
263	Klos vs. X2	2.402669	0.016276	0.00019
262	Spec vs. Sup	2.402669	0.016276	0.000191
261	Cconf vs. Pearson	2.393246	0.0167	0.000192
260	Dep vs. Pearson	2.393246	0.0167	0.000192
259	InfGain vs. Pearson	2.393246	0.0167	0.000193
258	Lift vs. Pearson	2.393246	0.0167	0.000194
257	MDisc vs. Pearson	2.393246	0.0167	0.000195
256	Lever vs. NetConf	2.374402	0.017577	0.000195

255	Cover vs. X2	2.346135	0.018969	0.000196
254	Jacc vs. Lap	2.346135	0.018969	0.000197
253	NetConf vs. Sup	2.327291	0.01995	0.000198
252	Lap vs. RelRisk	2.317868	0.020456	0.000198
251	Cos vs. X2	2.308446	0.020974	0.000199
250	Lap vs. Spec	2.308446	0.020974	0.0002
249	Lever vs. Spec	2.299024	0.021504	0.000201
248	Lever vs. RelRisk	2.289602	0.022044	0.000202
247	Cover vs. Lap	2.28018	0.022597	0.000202
246	Streng vs. X2	2.261335	0.023739	0.000203
245	Jacc vs. Sup	2.251913	0.024328	0.000204
244	RelRisk vs. X2	2.251913	0.024328	0.000205
243	Cos vs. Lap	2.242491	0.02493	0.000206
242	Spec vs. X2	2.242491	0.02493	0.000207
241	Lap vs. NetConf	2.233068	0.025544	0.000207
240	SupDif vs. X2	2.204802	0.027468	0.000208
239	WRACC vs. X2	2.204802	0.027468	0.000209
238	Lap vs. Streng	2.195379	0.028136	0.00021
237	Cover vs. Sup	2.185957	0.028819	0.000211
236	NetConf vs. X2	2.167113	0.030226	0.000212
235	Brins vs. X2	2.148268	0.031692	0.000213
234	Cole vs. X2	2.148268	0.031692	0.000214
233	Conf vs. X2	2.148268	0.031692	0.000215
232	Cos vs. Sup	2.148268	0.031692	0.000216
231	ExCex vs. X2	2.148268	0.031692	0.000216
230	GR vs. X2	2.148268	0.031692	0.000217
229	OddsR vs. X2	2.148268	0.031692	0.000218
228	SeBag vs. X2	2.148268	0.031692	0.000219
227	X2 vs. Zhang	2.148268	0.031692	0.00022
226	Klos vs. Lever	2.138846	0.032448	0.000221
225	Lap vs. SupDif	2.138846	0.032448	0.000222
224	Lap vs. WRACC	2.138846	0.032448	0.000223
223	ColStr vs. Klos	2.120002	0.034006	0.000224
222	Gain vs. Klos	2.110579	0.034808	0.000225
221	Streng vs. Sup	2.101157	0.035627	0.000226
220	Brins vs. Lap	2.082313	0.037314	0.000227
219	Cole vs. Lap	2.082313	0.037314	0.000228
218	Conf vs. Lap	2.082313	0.037314	0.000229
217	ExCex vs. Lap	2.082313	0.037314	0.00023
216	GR vs. Lap	2.082313	0.037314	0.000231
215	Lap vs. OddsR	2.082313	0.037314	0.000233
214	Lap vs. SeBag	2.082313	0.037314	0.000234
213	Lap vs. Zhang	2.082313	0.037314	0.000235
212	Sup vs. SupDif	2.044624	0.040892	0.000236
211	Sup vs. WRACC	2.044624	0.040892	0.000237
210	Brins vs. Sup	1.98809	0.046802	0.000238
209	Cole vs. Sup	1.98809	0.046802	0.000239
208	Conf vs. Sup	1.98809	0.046802	0.00024
207	ExCex vs. Sup	1.98809	0.046802	0.000242
206	GR vs. Sup	1.98809	0.046802	0.000243

205	OddsR vs. Sup	1.98809	0.046802	0.000244
204	SeBag vs. Sup	1.98809	0.046802	0.000245
203	Sup vs. Zhang	1.98809	0.046802	0.000246
202	ColStr vs. RelRisk	1.969246	0.048925	0.000248
201	ColStr vs. Spec	1.959824	0.050016	0.000249
200	Gain vs. RelRisk	1.959824	0.050016	0.00025
199	Gain vs. Spec	1.950402	0.051128	0.000251
198	Gain vs. MDisc	1.893868	0.058243	0.000253
197	ColStr vs. MDisc	1.884446	0.059505	0.000254
196	ColStr vs. NetConf	1.884446	0.059505	0.000255
195	ACC vs. Sup	1.875024	0.060789	0.000256
194	Gain vs. NetConf	1.875024	0.060789	0.000258
193	ACC vs. Lap	1.780801	0.074945	0.000259
192	ACC vs. X2	1.714846	0.086374	0.00026
191	MultInf vs. Pearson	1.686579	0.091684	0.000262
190	Klos vs. Pearson	1.611201	0.107136	0.000263
189	MDisc vs. X2	1.601779	0.109204	0.000265
188	Lap vs. MDisc	1.535823	0.124582	0.000266
187	Jacc vs. MultInf	1.516979	0.129272	0.000267
186	ACC vs. Cconf	1.469868	0.141598	0.000269
185	ACC vs. Dep	1.469868	0.141598	0.00027
184	ACC vs. InfGain	1.469868	0.141598	0.000272
183	ACC vs. Lift	1.469868	0.141598	0.000273
182	Pearson vs. RelRisk	1.460446	0.144168	0.000275
181	Cover vs. MultInf	1.451023	0.146773	0.000276
180	Pearson vs. Spec	1.451023	0.146773	0.000278
179	MDisc vs. Sup	1.441601	0.149415	0.000279
178	ACC vs. ColStr	1.432179	0.152093	0.000281
177	ACC vs. Gain	1.422757	0.154807	0.000282
176	Cos vs. MultInf	1.413334	0.157557	0.000284
175	NetConf vs. Pearson	1.375646	0.168931	0.000286
174	MultInf vs. Streng	1.366223	0.171869	0.000287
173	Cconf vs. Lever	1.356801	0.174844	0.000289
172	Dep vs. Lever	1.356801	0.174844	0.000291
171	InfGain vs. Lever	1.356801	0.174844	0.000292
170	Lever vs. Lift	1.356801	0.174844	0.000294
169	MultInf vs. SupDif	1.30969	0.190301	0.000296
168	MultInf vs. WRACC	1.30969	0.190301	0.000298
167	Brins vs. MultInf	1.253157	0.210149	0.000299
166	Cole vs. MultInf	1.253157	0.210149	0.000301
165	Conf vs. MultInf	1.253157	0.210149	0.000303
164	ExCex vs. MultInf	1.253157	0.210149	0.000305
163	GR vs. MultInf	1.253157	0.210149	0.000307
162	MultInf vs. OddsR	1.253157	0.210149	0.000309
161	MultInf vs. SeBag	1.253157	0.210149	0.000311
160	MultInf vs. Zhang	1.253157	0.210149	0.000312
159	Gain vs. MultInf	1.187201	0.235148	0.000314
158	ColStr vs. MultInf	1.177779	0.238885	0.000316
157	Cconf vs. NetConf	1.017601	0.308868	0.000318
156	Dep vs. NetConf	1.017601	0.308868	0.000321

155	InfGain vs. NetConf	1.017601	0.308868	0.000323
154	Lift vs. NetConf	1.017601	0.308868	0.000325
153	Pearson vs. Sup	0.951645	0.341277	0.000327
152	Cconf vs. Spec	0.942223	0.346079	0.000329
151	Dep vs. Spec	0.942223	0.346079	0.000331
150	InfGain vs. Spec	0.942223	0.346079	0.000333
149	Lift vs. Spec	0.942223	0.346079	0.000336
148	Cconf vs. RelRisk	0.932801	0.350923	0.000338
147	Dep vs. RelRisk	0.932801	0.350923	0.00034
146	InfGain vs. RelRisk	0.932801	0.350923	0.000342
145	Lift vs. RelRisk	0.932801	0.350923	0.000345
144	ACC vs. Pearson	0.923378	0.35581	0.000347
143	MultInf vs. X2	0.895112	0.370727	0.00035
142	Lap vs. Pearson	0.857423	0.391211	0.000352
141	Lap vs. MultInf	0.829156	0.407016	0.000355
140	Jacc vs. MDisc	0.810312	0.417761	0.000357
139	Pearson vs. X2	0.791467	0.428671	0.00036
138	Cconf vs. Klos	0.782045	0.434188	0.000362
137	Dep vs. Klos	0.782045	0.434188	0.000365
136	InfGain vs. Klos	0.782045	0.434188	0.000368
135	Klos vs. Lift	0.782045	0.434188	0.00037
134	Cover vs. MDisc	0.744356	0.456661	0.000373
133	MultInf vs. Sup	0.734934	0.46238	0.000376
132	Cos vs. MDisc	0.706667	0.479773	0.000379
131	MDisc vs. MultInf	0.706667	0.479773	0.000382
130	ACC vs. Klos	0.687823	0.491564	0.000385
129	MDisc vs. Streng	0.659556	0.509539	0.000388
128	MDisc vs. SupDif	0.603023	0.546494	0.000391
127	MDisc vs. WRACC	0.603023	0.546494	0.000394
126	Brins vs. MDisc	0.546489	0.58473	0.000397
125	Cole vs. MDisc	0.546489	0.58473	0.0004
124	Conf vs. MDisc	0.546489	0.58473	0.000403
123	ExCex vs. MDisc	0.546489	0.58473	0.000407
122	GR vs. MDisc	0.546489	0.58473	0.00041
121	MDisc vs. OddsR	0.546489	0.58473	0.000413
120	MDisc vs. SeBag	0.546489	0.58473	0.000417
119	MDisc vs. Zhang	0.546489	0.58473	0.00042
118	ACC vs. RelRisk	0.537067	0.591221	0.000424
117	ACC vs. Spec	0.527645	0.597746	0.000427
116	ColStr vs. Pearson	0.5088	0.610892	0.000431
115	Gain vs. Pearson	0.499378	0.617513	0.000435
114	ACC vs. NetConf	0.452267	0.651077	0.000439
113	Gain vs. Sup	0.452267	0.651077	0.000442
112	ColStr vs. Sup	0.442845	0.657878	0.000446
111	Gain vs. Lap	0.358045	0.72031	0.00045
110	ColStr vs. Lap	0.348622	0.727373	0.000455
109	Gain vs. X2	0.292089	0.770218	0.000459
108	ColStr vs. X2	0.282667	0.777432	0.000463
107	Brins vs. Jacc	0.263822	0.791917	0.000467
106	Cole vs. Jacc	0.263822	0.791917	0.000472

105	Conf vs. Jacc	0.263822	0.791917	0.000476
104	ExCex vs. Jacc	0.263822	0.791917	0.000481
103	GR vs. Jacc	0.263822	0.791917	0.000485
102	Jacc vs. OddsR	0.263822	0.791917	0.00049
101	Jacc vs. SeBag	0.263822	0.791917	0.000495
100	Jacc vs. Zhang	0.263822	0.791917	0.0005
99	Klos vs. NetConf	0.235556	0.813777	0.000505
98	Jacc vs. SupDif	0.207289	0.835784	0.00051
97	Jacc vs. WRACC	0.207289	0.835784	0.000515
96	Brins vs. Cover	0.197867	0.843149	0.000521
95	Cole vs. Cover	0.197867	0.843149	0.000526
94	Conf vs. Cover	0.197867	0.843149	0.000532
93	Cover vs. ExCex	0.197867	0.843149	0.000538
92	Cover vs. GR	0.197867	0.843149	0.000543
91	Cover vs. OddsR	0.197867	0.843149	0.000549
90	Cover vs. SeBag	0.197867	0.843149	0.000556
89	Cover vs. Zhang	0.197867	0.843149	0.000562
88	Brins vs. Cos	0.160178	0.872741	0.000568
87	Cole vs. Cos	0.160178	0.872741	0.000575
86	Conf vs. Cos	0.160178	0.872741	0.000581
85	Cos vs. ExCex	0.160178	0.872741	0.000588
84	Cos vs. GR	0.160178	0.872741	0.000595
83	Cos vs. OddsR	0.160178	0.872741	0.000602
82	Cos vs. SeBag	0.160178	0.872741	0.00061
81	Cos vs. Zhang	0.160178	0.872741	0.000617
80	Klos vs. Spec	0.160178	0.872741	0.000625
79	Sup vs. X2	0.160178	0.872741	0.000633
78	Jacc vs. Streng	0.150756	0.880168	0.000641
77	Klos vs. RelRisk	0.150756	0.880168	0.000649
76	Cover vs. SupDif	0.141333	0.887607	0.000658
75	Cover vs. WRACC	0.141333	0.887607	0.000667
74	Brins vs. Streng	0.113067	0.909978	0.000676
73	Cole vs. Streng	0.113067	0.909978	0.000685
72	Conf vs. Streng	0.113067	0.909978	0.000694
71	ExCex vs. Streng	0.113067	0.909978	0.000704
70	GR vs. Streng	0.113067	0.909978	0.000714
69	OddsR vs. Streng	0.113067	0.909978	0.000725
68	SeBag vs. Streng	0.113067	0.909978	0.000735
67	Streng vs. Zhang	0.113067	0.909978	0.000746
66	Cos vs. Jacc	0.103645	0.917451	0.000758
65	Cos vs. SupDif	0.103645	0.917451	0.000769
64	Cos vs. WRACC	0.103645	0.917451	0.000781
63	Lap vs. Sup	0.094222	0.924933	0.000794
62	Cover vs. Streng	0.0848	0.93242	0.000806
61	NetConf vs. RelRisk	0.0848	0.93242	0.00082
60	NetConf vs. Spec	0.075378	0.939914	0.000833
59	Cover vs. Jacc	0.065956	0.947413	0.000847
58	Lap vs. X2	0.065956	0.947413	0.000862
57	Brins vs. SupDif	0.056533	0.954917	0.000877
56	Brins vs. WRACC	0.056533	0.954917	0.000893

55	Cole vs. SupDif	0.056533	0.954917	0.000909
54	Cole vs. WRACC	0.056533	0.954917	0.000926
53	Conf vs. SupDif	0.056533	0.954917	0.000943
52	Conf vs. WRACC	0.056533	0.954917	0.000962
51	ExCex vs. SupDif	0.056533	0.954917	0.00098
50	ExCex vs. WRACC	0.056533	0.954917	0.001
49	GR vs. SupDif	0.056533	0.954917	0.00102
48	GR vs. WRACC	0.056533	0.954917	0.001042
47	OddsR vs. SupDif	0.056533	0.954917	0.001064
46	OddsR vs. WRACC	0.056533	0.954917	0.001087
45	SeBag vs. SupDif	0.056533	0.954917	0.001111
44	SeBag vs. WRACC	0.056533	0.954917	0.001136
43	Streng vs. SupDif	0.056533	0.954917	0.001163
42	Streng vs. WRACC	0.056533	0.954917	0.00119
41	SupDif vs. Zhang	0.056533	0.954917	0.00122
40	WRACC vs. Zhang	0.056533	0.954917	0.00125
39	Cos vs. Streng	0.047111	0.962425	0.001282
38	Cos vs. Cover	0.037689	0.969936	0.001316
37	ColStr vs. Gain	0.009422	0.992482	0.001351
36	RelRisk vs. Spec	0.009422	0.992482	0.001389
35	Brins vs. Cole	0	1	0.001429
34	Brins vs. Conf	0	1	0.001471
33	Brins vs. ExCex	0	1	0.001515
32	Brins vs. GR	0	1	0.001562
31	Brins vs. OddsR	0	1	0.001613
30	Brins vs. SeBag	0	1	0.001667
29	Brins vs. Zhang	0	1	0.001724
28	Cconf vs. Dep	0	1	0.001786
27	Cconf vs. InfGain	0	1	0.001852
26	Cconf vs. Lift	0	1	0.001923
25	Cole vs. Conf	0	1	0.002
24	Cole vs. ExCex	0	1	0.002083
23	Cole vs. GR	0	1	0.002174
22	Cole vs. OddsR	0	1	0.002273
21	Cole vs. SeBag	0	1	0.002381
20	Cole vs. Zhang	0	1	0.0025
19	Conf vs. ExCex	0	1	0.002632
18	Conf vs. GR	0	1	0.002778
17	Conf vs. OddsR	0	1	0.002941
16	Conf vs. SeBag	0	1	0.003125
15	Conf vs. Zhang	0	1	0.003333
14	Dep vs. InfGain	0	1	0.003571
13	Dep vs. Lift	0	1	0.003846
12	ExCex vs. GR	0	1	0.004167
11	ExCex vs. OddsR	0	1	0.004545
10	ExCex vs. SeBag	0	1	0.005
9	ExCex vs. Zhang	0	1	0.005556
8	GR vs. OddsR	0	1	0.00625
7	GR vs. SeBag	0	1	0.007143
6	GR vs. Zhang	0	1	0.008333

5	InfGain vs. Lift	0	1	0.01
4	OddsR vs. SeBag	0	1	0.0125
3	OddsR vs. Zhang	0	1	0.016667
2	SeBag vs. Zhang	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	Jacc vs. Lever	6.953605	0	0.000202
495	Cover vs. Lever	6.88765	0	0.000215
494	Cos vs. Lever	6.849961	0	0.000215
493	Lever vs. Streng	6.80285	0	0.000215
492	Lever vs. SupDif	6.746316	0	0.000215
491	Lever vs. WRACC	6.746316	0	0.000215
490	Brins vs. Lever	6.689783	0	0.000215
489	Cole vs. Lever	6.689783	0	0.000215
488	Conf vs. Lever	6.689783	0	0.000215
487	ExCex vs. Lever	6.689783	0	0.000215
486	GR vs. Lever	6.689783	0	0.000215
485	Lever vs. OddsR	6.689783	0	0.000215
484	Lever vs. SeBag	6.689783	0	0.000215
483	Lever vs. Zhang	6.689783	0	0.000215
482	Lever vs. MDisc	6.143294	0	0.000215
481	Cconf vs. Jacc	5.596804	0	0.000215
480	Dep vs. Jacc	5.596804	0	0.000215
479	InfGain vs. Jacc	5.596804	0	0.000215
478	Jacc vs. Lift	5.596804	0	0.000215
477	Cconf vs. Cover	5.530849	0	0.000215
476	Cover vs. Dep	5.530849	0	0.000215
475	Cover vs. InfGain	5.530849	0	0.000215
474	Cover vs. Lift	5.530849	0	0.000215
473	Cconf vs. Cos	5.49316	0	0.000215
472	Cos vs. Dep	5.49316	0	0.000215
471	Cos vs. InfGain	5.49316	0	0.000215
470	Cos vs. Lift	5.49316	0	0.000215
469	Cconf vs. Streng	5.446049	0	0.000215
468	Dep vs. Streng	5.446049	0	0.000215
467	InfGain vs. Streng	5.446049	0	0.000215
466	Lift vs. Streng	5.446049	0	0.000215
465	Lever vs. MultInf	5.436626	0	0.000215
464	Cconf vs. SupDif	5.389515	0	0.000229
463	Cconf vs. WRACC	5.389515	0	0.000229
462	Dep vs. SupDif	5.389515	0	0.000229
461	Dep vs. WRACC	5.389515	0	0.000229
460	InfGain vs. SupDif	5.389515	0	0.000229
459	InfGain vs. WRACC	5.389515	0	0.000229
458	Lift vs. SupDif	5.389515	0	0.000229
457	Lift vs. WRACC	5.389515	0	0.000229
456	Brins vs. Cconf	5.332982	0	0.000229
455	Brins vs. Dep	5.332982	0	0.000229
454	Brins vs. InfGain	5.332982	0	0.000229
453	Brins vs. Lift	5.332982	0	0.000229
452	Cconf vs. Cole	5.332982	0	0.000229
451	Cconf vs. Conf	5.332982	0	0.000229
450	Cconf vs. ExCex	5.332982	0	0.000229

449	Cconf vs. GR	5.332982	0	0.000229
448	Cconf vs. OddsR	5.332982	0	0.000229
447	Cconf vs. SeBag	5.332982	0	0.000229
446	Cconf vs. Zhang	5.332982	0	0.000229
445	Cole vs. Dep	5.332982	0	0.000229
444	Cole vs. InfGain	5.332982	0	0.000229
443	Cole vs. Lift	5.332982	0	0.000229
442	Conf vs. Dep	5.332982	0	0.000229
441	Conf vs. InfGain	5.332982	0	0.000229
440	Conf vs. Lift	5.332982	0	0.000229
439	Dep vs. ExCex	5.332982	0	0.000229
438	Dep vs. GR	5.332982	0	0.000229
437	Dep vs. OddsR	5.332982	0	0.000229
436	Dep vs. SeBag	5.332982	0	0.000229
435	Dep vs. Zhang	5.332982	0	0.00023
434	ExCex vs. InfGain	5.332982	0	0.000244
433	ExCex vs. Lift	5.332982	0	0.000244
432	GR vs. InfGain	5.332982	0	0.000244
431	GR vs. Lift	5.332982	0	0.000244
430	InfGain vs. OddsR	5.332982	0	0.000244
429	InfGain vs. SeBag	5.332982	0	0.000244
428	InfGain vs. Zhang	5.332982	0	0.000244
427	Lift vs. OddsR	5.332982	0	0.000244
426	Lift vs. SeBag	5.332982	0	0.000244
425	Lift vs. Zhang	5.332982	0	0.000244
424	Jacc vs. Klos	4.814759	0.000001	0.000244
423	Cconf vs. MDisc	4.786493	0.000002	0.000244
422	Dep vs. MDisc	4.786493	0.000002	0.000244
421	InfGain vs. MDisc	4.786493	0.000002	0.000244
420	Lift vs. MDisc	4.786493	0.000002	0.000244
419	Cover vs. Klos	4.748804	0.000002	0.000244
418	Cos vs. Klos	4.711115	0.000002	0.000244
417	Lever vs. Sup	4.701693	0.000003	0.000244
416	Jacc vs. RelRisk	4.664004	0.000003	0.000244
415	Klos vs. Streng	4.664004	0.000003	0.000244
414	Jacc vs. Spec	4.654581	0.000003	0.000244
413	Klos vs. SupDif	4.60747	0.000004	0.000244
412	Klos vs. WRACC	4.60747	0.000004	0.000244
411	Lap vs. Lever	4.60747	0.000004	0.000244
410	Cover vs. RelRisk	4.598048	0.000004	0.000244
409	Cover vs. Spec	4.588626	0.000004	0.000244
408	Jacc vs. NetConf	4.579204	0.000005	0.000246
407	Cos vs. RelRisk	4.560359	0.000005	0.000246
406	Brins vs. Klos	4.550937	0.000005	0.000246
405	Cole vs. Klos	4.550937	0.000005	0.00026
404	Conf vs. Klos	4.550937	0.000005	0.00026
403	Cos vs. Spec	4.550937	0.000005	0.00026
402	ExCex vs. Klos	4.550937	0.000005	0.00026
401	GR vs. Klos	4.550937	0.000005	0.00026
400	Klos vs. OddsR	4.550937	0.000005	0.00026

399	Klos vs. SeBag	4.550937	0.000005	0.00026
398	Klos vs. Zhang	4.550937	0.000005	0.00026
397	Lever vs. X2	4.541515	0.000006	0.00026
396	Cover vs. NetConf	4.513248	0.000006	0.00026
395	RelRisk vs. Streng	4.513248	0.000006	0.00026
394	Spec vs. Streng	4.503826	0.000007	0.00026
393	Cos vs. NetConf	4.475559	0.000008	0.00026
392	RelRisk vs. SupDif	4.456715	0.000008	0.00026
391	RelRisk vs. WRACC	4.456715	0.000008	0.00026
390	Spec vs. SupDif	4.447292	0.000009	0.00026
389	Spec vs. WRACC	4.447292	0.000009	0.00026
388	NetConf vs. Streng	4.428448	0.000009	0.00026
387	Brins vs. RelRisk	4.400181	0.000011	0.00026
386	Cole vs. RelRisk	4.400181	0.000011	0.00026
385	Conf vs. RelRisk	4.400181	0.000011	0.00026
384	ExCex vs. RelRisk	4.400181	0.000011	0.00026
383	GR vs. RelRisk	4.400181	0.000011	0.000262
382	OddsR vs. RelRisk	4.400181	0.000011	0.000262
381	RelRisk vs. SeBag	4.400181	0.000011	0.000262
380	RelRisk vs. Zhang	4.400181	0.000011	0.000263
379	Brins vs. Spec	4.390759	0.000011	0.000264
378	Cole vs. Spec	4.390759	0.000011	0.000265
377	Conf vs. Spec	4.390759	0.000011	0.000277
376	ExCex vs. Spec	4.390759	0.000011	0.000277
375	GR vs. Spec	4.390759	0.000011	0.000277
374	OddsR vs. Spec	4.390759	0.000011	0.000277
373	SeBag vs. Spec	4.390759	0.000011	0.000277
372	Spec vs. Zhang	4.390759	0.000011	0.000277
371	NetConf vs. SupDif	4.371914	0.000012	0.000277
370	NetConf vs. WRACC	4.371914	0.000012	0.000277
369	Brins vs. NetConf	4.315381	0.000016	0.000277
368	Cole vs. NetConf	4.315381	0.000016	0.000277
367	Conf vs. NetConf	4.315381	0.000016	0.000277
366	ExCex vs. NetConf	4.315381	0.000016	0.000277
365	GR vs. NetConf	4.315381	0.000016	0.000277
364	NetConf vs. OddsR	4.315381	0.000016	0.000277
363	NetConf vs. SeBag	4.315381	0.000016	0.000277
362	NetConf vs. Zhang	4.315381	0.000016	0.000277
361	ColStr vs. Lever	4.258848	0.000021	0.000277
360	Gain vs. Lever	4.249426	0.000021	0.00028
359	ACC vs. Jacc	4.126937	0.000037	0.00028
358	Cconf vs. MultInf	4.079825	0.000045	0.00028
357	Dep vs. MultInf	4.079825	0.000045	0.00028
356	InfGain vs. MultInf	4.079825	0.000045	0.000282
355	Lift vs. MultInf	4.079825	0.000045	0.000282
354	ACC vs. Cover	4.060981	0.000049	0.000282
353	ACC vs. Cos	4.023292	0.000057	0.000283
352	Klos vs. MDisc	4.004448	0.000062	0.000284
351	ACC vs. Streng	3.976181	0.000007	0.000285
350	ACC vs. SupDif	3.919647	0.000089	0.000294

349	ACC vs. WRACC	3.919647	0.000089	0.000294
348	ACC vs. Brins	3.863114	0.000112	0.000294
347	ACC vs. Cole	3.863114	0.000112	0.000294
346	ACC vs. Conf	3.863114	0.000112	0.000294
345	ACC vs. ExCex	3.863114	0.000112	0.000294
344	ACC vs. GR	3.863114	0.000112	0.000294
343	ACC vs. OddsR	3.863114	0.000112	0.000294
342	ACC vs. SeBag	3.863114	0.000112	0.000294
341	ACC vs. Zhang	3.863114	0.000112	0.000294
340	MDisc vs. RelRisk	3.853692	0.000116	0.000294
339	MDisc vs. Spec	3.84427	0.000121	0.000299
338	MDisc vs. NetConf	3.768892	0.000164	0.000299
337	Lever vs. Pearson	3.750047	0.000177	0.000299
336	Cconf vs. Sup	3.344891	0.000823	0.000299
335	Dep vs. Sup	3.344891	0.000823	0.000299
334	InfGain vs. Sup	3.344891	0.000823	0.000299
333	Lift vs. Sup	3.344891	0.000823	0.0003
332	ACC vs. MDisc	3.316625	0.000911	0.000301
331	Klos vs. MultInf	3.29778	0.000975	0.000302
330	Cconf vs. Lap	3.250669	0.001151	0.000303
329	Dep vs. Lap	3.250669	0.001151	0.000304
328	InfGain vs. Lap	3.250669	0.001151	0.000305
327	Lap vs. Lift	3.250669	0.001151	0.000306
326	Jacc vs. Pearson	3.203558	0.001357	0.000307
325	Cconf vs. X2	3.184714	0.001449	0.000308
324	Dep vs. X2	3.184714	0.001449	0.000309
323	InfGain vs. X2	3.184714	0.001449	0.00031
322	Lift vs. X2	3.184714	0.001449	0.000311
321	MultInf vs. RelRisk	3.147025	0.001649	0.000312
320	Cover vs. Pearson	3.137602	0.001703	0.000312
319	MultInf vs. Spec	3.137602	0.001703	0.000313
318	Cos vs. Pearson	3.099914	0.001936	0.000314
317	MultInf vs. NetConf	3.062225	0.002197	0.000315
316	Pearson vs. Streng	3.052802	0.002267	0.000316
315	Pearson vs. SupDif	2.996269	0.002733	0.000317
314	Pearson vs. WRACC	2.996269	0.002733	0.000318
313	Brins vs. Pearson	2.939736	0.003285	0.000319
312	Cole vs. Pearson	2.939736	0.003285	0.000321
311	Conf vs. Pearson	2.939736	0.003285	0.000322
310	ExCex vs. Pearson	2.939736	0.003285	0.000323
309	GR vs. Pearson	2.939736	0.003285	0.000324
308	OddsR vs. Pearson	2.939736	0.003285	0.000325
307	Pearson vs. SeBag	2.939736	0.003285	0.000326
306	Pearson vs. Zhang	2.939736	0.003285	0.000327
305	Cconf vs. ColStr	2.902047	0.003707	0.000328
304	ColStr vs. Dep	2.902047	0.003707	0.000329
303	ColStr vs. InfGain	2.902047	0.003707	0.00033
302	ColStr vs. Lift	2.902047	0.003707	0.000331
301	Cconf vs. Gain	2.892624	0.00382	0.000332
300	Dep vs. Gain	2.892624	0.00382	0.000333

299	Gain vs. InfGain	2.892624	0.00382	0.000334
298	Gain vs. Lift	2.892624	0.00382	0.000336
297	ACC vs. Lever	2.826669	0.004703	0.000337
296	Gain vs. Jacc	2.70418	0.006847	0.000338
295	ColStr vs. Jacc	2.694758	0.007044	0.000339
294	Cover vs. Gain	2.638224	0.008334	0.00034
293	ColStr vs. Cover	2.628802	0.008569	0.000341
292	ACC vs. MultInf	2.609958	0.009055	0.000342
291	Cos vs. Gain	2.600535	0.009308	0.000344
290	ColStr vs. Cos	2.591113	0.009567	0.000345
289	Klos vs. Sup	2.562846	0.010382	0.000346
288	Gain vs. Streng	2.553424	0.010667	0.000347
287	ColStr vs. Streng	2.544002	0.010959	0.000348
286	Gain vs. SupDif	2.496891	0.012529	0.00035
285	Gain vs. WRACC	2.496891	0.012529	0.000351
284	ColStr vs. SupDif	2.487469	0.012866	0.000352
283	ColStr vs. WRACC	2.487469	0.012866	0.000353
282	Klos vs. Lap	2.468624	0.013563	0.000355
281	Brins vs. Gain	2.440357	0.014673	0.000356
280	Cole vs. Gain	2.440357	0.014673	0.000357
279	Conf vs. Gain	2.440357	0.014673	0.000358
278	ExCex vs. Gain	2.440357	0.014673	0.00036
277	Gain vs. GR	2.440357	0.014673	0.000361
276	Gain vs. OddsR	2.440357	0.014673	0.000362
275	Gain vs. SeBag	2.440357	0.014673	0.000364
274	Gain vs. Zhang	2.440357	0.014673	0.000365
273	Brins vs. ColStr	2.430935	0.01506	0.000366
272	Cole vs. ColStr	2.430935	0.01506	0.000368
271	ColStr vs. Conf	2.430935	0.01506	0.000369
270	ColStr vs. ExCex	2.430935	0.01506	0.00037
269	ColStr vs. GR	2.430935	0.01506	0.000372
268	ColStr vs. OddsR	2.430935	0.01506	0.000373
267	ColStr vs. SeBag	2.430935	0.01506	0.000375
266	ColStr vs. Zhang	2.430935	0.01506	0.000376
265	Jacc vs. X2	2.412091	0.015861	0.000377
264	RelRisk vs. Sup	2.412091	0.015861	0.000379
263	Klos vs. X2	2.402669	0.016276	0.00038
262	Spec vs. Sup	2.402669	0.016276	0.000382
261	Cconf vs. Pearson	2.393246	0.0167	0.000383
260	Dep vs. Pearson	2.393246	0.0167	0.000385
259	InfGain vs. Pearson	2.393246	0.0167	0.000386
258	Lift vs. Pearson	2.393246	0.0167	0.000388
257	MDisc vs. Pearson	2.393246	0.0167	0.000389
256	Lever vs. NetConf	2.374402	0.017577	0.000391
255	Cover vs. X2	2.346135	0.018969	0.000392
254	Jacc vs. Lap	2.346135	0.018969	0.000394
253	NetConf vs. Sup	2.327291	0.01995	0.000395
252	Lap vs. RelRisk	2.317868	0.020456	0.000397
251	Cos vs. X2	2.308446	0.020974	0.000398
250	Lap vs. Spec	2.308446	0.020974	0.0004

249	Lever vs. Spec	2.299024	0.021504	0.000402
248	Lever vs. RelRisk	2.289602	0.022044	0.000403
247	Cover vs. Lap	2.28018	0.022597	0.000405
246	Streng vs. X2	2.261335	0.023739	0.000407
245	Jacc vs. Sup	2.251913	0.024328	0.000408
244	RelRisk vs. X2	2.251913	0.024328	0.00041
243	Cos vs. Lap	2.242491	0.02493	0.000412
242	Spec vs. X2	2.242491	0.02493	0.000413
241	Lap vs. NetConf	2.233068	0.025544	0.000415
240	SupDif vs. X2	2.204802	0.027468	0.000417
239	WRACC vs. X2	2.204802	0.027468	0.000418
238	Lap vs. Streng	2.195379	0.028136	0.00042
237	Cover vs. Sup	2.185957	0.028819	0.000422
236	NetConf vs. X2	2.167113	0.030226	0.000424
235	Brins vs. X2	2.148268	0.031692	0.000426
234	Cole vs. X2	2.148268	0.031692	0.000427
233	Conf vs. X2	2.148268	0.031692	0.000429
232	Cos vs. Sup	2.148268	0.031692	0.000431
231	ExCex vs. X2	2.148268	0.031692	0.000433
230	GR vs. X2	2.148268	0.031692	0.000435
229	OddsR vs. X2	2.148268	0.031692	0.000437
228	SeBag vs. X2	2.148268	0.031692	0.000439
227	X2 vs. Zhang	2.148268	0.031692	0.000441
226	Klos vs. Lever	2.138846	0.032448	0.000442
225	Lap vs. SupDif	2.138846	0.032448	0.000444
224	Lap vs. WRACC	2.138846	0.032448	0.000446
223	ColStr vs. Klos	2.120002	0.034006	0.000448
222	Gain vs. Klos	2.110579	0.034808	0.00045
221	Streng vs. Sup	2.101157	0.035627	0.000452
220	Brins vs. Lap	2.082313	0.037314	0.000455
219	Cole vs. Lap	2.082313	0.037314	0.000457
218	Conf vs. Lap	2.082313	0.037314	0.000459
217	ExCex vs. Lap	2.082313	0.037314	0.000461
216	GR vs. Lap	2.082313	0.037314	0.000463
215	Lap vs. OddsR	2.082313	0.037314	0.000465
214	Lap vs. SeBag	2.082313	0.037314	0.000467
213	Lap vs. Zhang	2.082313	0.037314	0.000469
212	Sup vs. SupDif	2.044624	0.040892	0.000472
211	Sup vs. WRACC	2.044624	0.040892	0.000474
210	Brins vs. Sup	1.98809	0.046802	0.000476
209	Cole vs. Sup	1.98809	0.046802	0.000478
208	Conf vs. Sup	1.98809	0.046802	0.000481
207	ExCex vs. Sup	1.98809	0.046802	0.000483
206	GR vs. Sup	1.98809	0.046802	0.000485
205	OddsR vs. Sup	1.98809	0.046802	0.000488
204	SeBag vs. Sup	1.98809	0.046802	0.00049
203	Sup vs. Zhang	1.98809	0.046802	0.000493
202	ColStr vs. RelRisk	1.969246	0.048925	0.000495
201	ColStr vs. Spec	1.959824	0.050016	0.000498
200	Gain vs. RelRisk	1.959824	0.050016	0.0005

199	Gain vs. Spec	1.950402	0.051128	0.000503
198	Gain vs. MDisc	1.893868	0.058243	0.000505
197	ColStr vs. MDisc	1.884446	0.059505	0.000508
196	ColStr vs. NetConf	1.884446	0.059505	0.00051
195	ACC vs. Sup	1.875024	0.060789	0.000513
194	Gain vs. NetConf	1.875024	0.060789	0.000515
193	ACC vs. Lap	1.780801	0.074945	0.000518
192	ACC vs. X2	1.714846	0.086374	0.000521
191	MultInf vs. Pearson	1.686579	0.091684	0.000524
190	Klos vs. Pearson	1.611201	0.107136	0.000526
189	MDisc vs. X2	1.601779	0.109204	0.000529
188	Lap vs. MDisc	1.535823	0.124582	0.000532
187	Jacc vs. MultInf	1.516979	0.129272	0.000535
186	ACC vs. Cconf	1.469868	0.141598	0.000538
185	ACC vs. Dep	1.469868	0.141598	0.000541
184	ACC vs. InfGain	1.469868	0.141598	0.000543
183	ACC vs. Lift	1.469868	0.141598	0.000546
182	Pearson vs. RelRisk	1.460446	0.144168	0.000549
181	Cover vs. MultInf	1.451023	0.146773	0.000552
180	Pearson vs. Spec	1.451023	0.146773	0.000556
179	MDisc vs. Sup	1.441601	0.149415	0.000559
178	ACC vs. ColStr	1.432179	0.152093	0.000562
177	ACC vs. Gain	1.422757	0.154807	0.000565
176	Cos vs. MultInf	1.413334	0.157557	0.000568
175	NetConf vs. Pearson	1.375646	0.168931	0.000571
174	MultInf vs. Streng	1.366223	0.171869	0.000575
173	Cconf vs. Lever	1.356801	0.174844	0.000578
172	Dep vs. Lever	1.356801	0.174844	0.000581
171	InfGain vs. Lever	1.356801	0.174844	0.000585
170	Lever vs. Lift	1.356801	0.174844	0.000588
169	MultInf vs. SupDif	1.30969	0.190301	0.000592
168	MultInf vs. WRACC	1.30969	0.190301	0.000595
167	Brins vs. MultInf	1.253157	0.210149	0.000599
166	Cole vs. MultInf	1.253157	0.210149	0.000602
165	Conf vs. MultInf	1.253157	0.210149	0.000606
164	ExCex vs. MultInf	1.253157	0.210149	0.00061
163	GR vs. MultInf	1.253157	0.210149	0.000613
162	MultInf vs. OddsR	1.253157	0.210149	0.000617
161	MultInf vs. SeBag	1.253157	0.210149	0.000621
160	MultInf vs. Zhang	1.253157	0.210149	0.000625
159	Gain vs. MultInf	1.187201	0.235148	0.000629
158	ColStr vs. MultInf	1.177779	0.238885	0.000633
157	Cconf vs. NetConf	1.017601	0.308868	0.000637
156	Dep vs. NetConf	1.017601	0.308868	0.000641
155	InfGain vs. NetConf	1.017601	0.308868	0.000645
154	Lift vs. NetConf	1.017601	0.308868	0.000649
153	Pearson vs. Sup	0.951645	0.341277	0.000654
152	Cconf vs. Spec	0.942223	0.346079	0.000658
151	Dep vs. Spec	0.942223	0.346079	0.000662
150	InfGain vs. Spec	0.942223	0.346079	0.000667

149	Lift vs. Spec	0.942223	0.346079	0.000671
148	Cconf vs. RelRisk	0.932801	0.350923	0.000676
147	Dep vs. RelRisk	0.932801	0.350923	0.00068
146	InfGain vs. RelRisk	0.932801	0.350923	0.000685
145	Lift vs. RelRisk	0.932801	0.350923	0.00069
144	ACC vs. Pearson	0.923378	0.35581	0.000694
143	MultInf vs. X2	0.895112	0.370727	0.000699
142	Lap vs. Pearson	0.857423	0.391211	0.000704
141	Lap vs. MultInf	0.829156	0.407016	0.000709
140	Jacc vs. MDisc	0.810312	0.417761	0.000714
139	Pearson vs. X2	0.791467	0.428671	0.000719
138	Cconf vs. Klos	0.782045	0.434188	0.000725
137	Dep vs. Klos	0.782045	0.434188	0.00073
136	InfGain vs. Klos	0.782045	0.434188	0.000735
135	Klos vs. Lift	0.782045	0.434188	0.000741
134	Cover vs. MDisc	0.744356	0.456661	0.000746
133	MultInf vs. Sup	0.734934	0.46238	0.000752
132	Cos vs. MDisc	0.706667	0.479773	0.000758
131	MDisc vs. MultInf	0.706667	0.479773	0.000763
130	ACC vs. Klos	0.687823	0.491564	0.000769
129	MDisc vs. Streng	0.659556	0.509539	0.000775
128	MDisc vs. SupDif	0.603023	0.546494	0.000781
127	MDisc vs. WRACC	0.603023	0.546494	0.000787
126	Brins vs. MDisc	0.546489	0.58473	0.000794
125	Cole vs. MDisc	0.546489	0.58473	0.0008
124	Conf vs. MDisc	0.546489	0.58473	0.000806
123	ExCex vs. MDisc	0.546489	0.58473	0.000813
122	GR vs. MDisc	0.546489	0.58473	0.00082
121	MDisc vs. OddsR	0.546489	0.58473	0.000826
120	MDisc vs. SeBag	0.546489	0.58473	0.000833
119	MDisc vs. Zhang	0.546489	0.58473	0.00084
118	ACC vs. RelRisk	0.537067	0.591221	0.000847
117	ACC vs. Spec	0.527645	0.597746	0.000855
116	ColStr vs. Pearson	0.5088	0.610892	0.000862
115	Gain vs. Pearson	0.499378	0.617513	0.00087
114	ACC vs. NetConf	0.452267	0.651077	0.000877
113	Gain vs. Sup	0.452267	0.651077	0.000885
112	ColStr vs. Sup	0.442845	0.657878	0.000893
111	Gain vs. Lap	0.358045	0.72031	0.000901
110	ColStr vs. Lap	0.348622	0.727373	0.000909
109	Gain vs. X2	0.292089	0.770218	0.000917
108	ColStr vs. X2	0.282667	0.777432	0.000926
107	Brins vs. Jacc	0.263822	0.791917	0.000935
106	Cole vs. Jacc	0.263822	0.791917	0.000943
105	Conf vs. Jacc	0.263822	0.791917	0.000952
104	ExCex vs. Jacc	0.263822	0.791917	0.000962
103	GR vs. Jacc	0.263822	0.791917	0.000971
102	Jacc vs. OddsR	0.263822	0.791917	0.00098
101	Jacc vs. SeBag	0.263822	0.791917	0.00099
100	Jacc vs. Zhang	0.263822	0.791917	0.001

99	Klos vs. NetConf	0.235556	0.813777	0.00101
98	Jacc vs. SupDif	0.207289	0.835784	0.00102
97	Jacc vs. WRACC	0.207289	0.835784	0.001031
96	Brins vs. Cover	0.197867	0.843149	0.001042
95	Cole vs. Cover	0.197867	0.843149	0.001053
94	Conf vs. Cover	0.197867	0.843149	0.001064
93	Cover vs. ExCex	0.197867	0.843149	0.001075
92	Cover vs. GR	0.197867	0.843149	0.001087
91	Cover vs. OddsR	0.197867	0.843149	0.001099
90	Cover vs. SeBag	0.197867	0.843149	0.001111
89	Cover vs. Zhang	0.197867	0.843149	0.001124
88	Brins vs. Cos	0.160178	0.872741	0.001136
87	Cole vs. Cos	0.160178	0.872741	0.001149
86	Conf vs. Cos	0.160178	0.872741	0.001163
85	Cos vs. ExCex	0.160178	0.872741	0.001176
84	Cos vs. GR	0.160178	0.872741	0.00119
83	Cos vs. OddsR	0.160178	0.872741	0.001205
82	Cos vs. SeBag	0.160178	0.872741	0.00122
81	Cos vs. Zhang	0.160178	0.872741	0.001235
80	Klos vs. Spec	0.160178	0.872741	0.00125
79	Sup vs. X2	0.160178	0.872741	0.001266
78	Jacc vs. Streng	0.150756	0.880168	0.001282
77	Klos vs. RelRisk	0.150756	0.880168	0.001299
76	Cover vs. SupDif	0.141333	0.887607	0.001316
75	Cover vs. WRACC	0.141333	0.887607	0.001333
74	Brins vs. Streng	0.113067	0.909978	0.001351
73	Cole vs. Streng	0.113067	0.909978	0.00137
72	Conf vs. Streng	0.113067	0.909978	0.001389
71	ExCex vs. Streng	0.113067	0.909978	0.001408
70	GR vs. Streng	0.113067	0.909978	0.001429
69	OddsR vs. Streng	0.113067	0.909978	0.001449
68	SeBag vs. Streng	0.113067	0.909978	0.001471
67	Streng vs. Zhang	0.113067	0.909978	0.001493
66	Cos vs. Jacc	0.103645	0.917451	0.001515
65	Cos vs. SupDif	0.103645	0.917451	0.001538
64	Cos vs. WRACC	0.103645	0.917451	0.001562
63	Lap vs. Sup	0.094222	0.924933	0.001587
62	Cover vs. Streng	0.0848	0.93242	0.001613
61	NetConf vs. RelRisk	0.0848	0.93242	0.001639
60	NetConf vs. Spec	0.075378	0.939914	0.001667
59	Cover vs. Jacc	0.065956	0.947413	0.001695
58	Lap vs. X2	0.065956	0.947413	0.001724
57	Brins vs. SupDif	0.056533	0.954917	0.001754
56	Brins vs. WRACC	0.056533	0.954917	0.001786
55	Cole vs. SupDif	0.056533	0.954917	0.001818
54	Cole vs. WRACC	0.056533	0.954917	0.001852
53	Conf vs. SupDif	0.056533	0.954917	0.001887
52	Conf vs. WRACC	0.056533	0.954917	0.001923
51	ExCex vs. SupDif	0.056533	0.954917	0.001961
50	ExCex vs. WRACC	0.056533	0.954917	0.002

49	GR vs. SupDif	0.056533	0.954917	0.002041
48	GR vs. WRACC	0.056533	0.954917	0.002083
47	OddsR vs. SupDif	0.056533	0.954917	0.002128
46	OddsR vs. WRACC	0.056533	0.954917	0.002174
45	SeBag vs. SupDif	0.056533	0.954917	0.002222
44	SeBag vs. WRACC	0.056533	0.954917	0.002273
43	Streng vs. SupDif	0.056533	0.954917	0.002326
42	Streng vs. WRACC	0.056533	0.954917	0.002381
41	SupDif vs. Zhang	0.056533	0.954917	0.002439
40	WRACC vs. Zhang	0.056533	0.954917	0.0025
39	Cos vs. Streng	0.047111	0.962425	0.002564
38	Cos vs. Cover	0.037689	0.969936	0.002632
37	ColStr vs. Gain	0.009422	0.992482	0.002703
36	RelRisk vs. Spec	0.009422	0.992482	0.002778
35	Brins vs. Cole	0	1	0.002857
34	Brins vs. Conf	0	1	0.002941
33	Brins vs. ExCex	0	1	0.00303
32	Brins vs. GR	0	1	0.003125
31	Brins vs. OddsR	0	1	0.003226
30	Brins vs. SeBag	0	1	0.003333
29	Brins vs. Zhang	0	1	0.003448
28	Cconf vs. Dep	0	1	0.003571
27	Cconf vs. InfGain	0	1	0.003704
26	Cconf vs. Lift	0	1	0.003846
25	Cole vs. Conf	0	1	0.004
24	Cole vs. ExCex	0	1	0.004167
23	Cole vs. GR	0	1	0.004348
22	Cole vs. OddsR	0	1	0.004545
21	Cole vs. SeBag	0	1	0.004762
20	Cole vs. Zhang	0	1	0.005
19	Conf vs. ExCex	0	1	0.005263
18	Conf vs. GR	0	1	0.005556
17	Conf vs. OddsR	0	1	0.005882
16	Conf vs. SeBag	0	1	0.00625
15	Conf vs. Zhang	0	1	0.006667
14	Dep vs. InfGain	0	1	0.007143
13	Dep vs. Lift	0	1	0.007692
12	ExCex vs. GR	0	1	0.008333
11	ExCex vs. OddsR	0	1	0.009091
10	ExCex vs. SeBag	0	1	0.01
9	ExCex vs. Zhang	0	1	0.011111
8	GR vs. OddsR	0	1	0.0125
7	GR vs. SeBag	0	1	0.014286
6	GR vs. Zhang	0	1	0.016667
5	InfGain vs. Lift	0	1	0.02
4	OddsR vs. SeBag	0	1	0.025
3	OddsR vs. Zhang	0	1	0.033333
2	SeBag vs. Zhang	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	Jacc vs .Lever	0	0
2	Cover vs .Lever	0	0
3	Cos vs .Lever	0	0
4	Lever vs .Streng	0	0
5	Lever vs .SupDif	0	0
6	Lever vs .WRACC	0	0
7	Brins vs .Lever	0	0
8	Cole vs .Lever	0	0
9	Conf vs .Lever	0	0
10	ExCex vs .Lever	0	0
11	GR vs .Lever	0	0
12	Lever vs .OddsR	0	0
13	Lever vs .SeBag	0	0
14	Lever vs .Zhang	0	0
15	Lever vs .MDisc	0	0
16	Cconf vs .Jacc	0	0.00001
17	Dep vs .Jacc	0	0.00001
18	InfGain vs .Jacc	0	0.00001
19	Jacc vs .Lift	0	0.00001
20	Cconf vs .Cover	0	0.000015
21	Cover vs .Dep	0	0.000015
22	Cover vs .InfGain	0	0.000015
23	Cover vs .Lift	0	0.000015
24	Cconf vs .Cos	0	0.000018
25	Cos vs .Dep	0	0.000018
26	Cos vs .InfGain	0	0.000018
27	Cos vs .Lift	0	0.000018
28	Cconf vs .Streng	0	0.000024
29	Dep vs .Streng	0	0.000024
30	InfGain vs .Streng	0	0.000024
31	Lift vs .Streng	0	0.000024
32	Lever vs .MultInf	0	0.000025
33	Cconf vs .SupDif	0	0.000031
34	Cconf vs .WRACC	0	0.000031
35	Dep vs .SupDif	0	0.000031
36	Dep vs .WRACC	0	0.000031
37	InfGain vs .SupDif	0	0.000031
38	InfGain vs .WRACC	0	0.000031
39	Lift vs .SupDif	0	0.000031
40	Lift vs .WRACC	0	0.000031
41	Brins vs .Cconf	0	0.000042
42	Brins vs .Dep	0	0.000042
43	Brins vs .InfGain	0	0.000042
44	Brins vs .Lift	0	0.000042
45	Cconf vs .Cole	0	0.000042
46	Cconf vs .Conf	0	0.000042

47	Cconf vs .ExCex	0	0.000042
48	Cconf vs .GR	0	0.000042
49	Cconf vs .OddsR	0	0.000042
50	Cconf vs .SeBag	0	0.000042
51	Cconf vs .Zhang	0	0.000042
52	Cole vs .Dep	0	0.000042
53	Cole vs .InfGain	0	0.000042
54	Cole vs .Lift	0	0.000042
55	Conf vs .Dep	0	0.000042
56	Conf vs .InfGain	0	0.000042
57	Conf vs .Lift	0	0.000042
58	Dep vs .ExCex	0	0.000042
59	Dep vs .GR	0	0.000042
60	Dep vs .OddsR	0	0.000042
61	Dep vs .SeBag	0	0.000042
62	Dep vs .Zhang	0	0.000042
63	ExCex vs .InfGain	0	0.000042
64	ExCex vs .Lift	0	0.000042
65	GR vs .InfGain	0	0.000042
66	GR vs .Lift	0	0.000042
67	InfGain vs .OddsR	0	0.000042
68	InfGain vs .SeBag	0	0.000042
69	InfGain vs .Zhang	0	0.000042
70	Lift vs .OddsR	0	0.000042
71	Lift vs .SeBag	0	0.000042
72	Lift vs .Zhang	0	0.000042
73	Jacc vs .Klos	0.000001	0.000603
74	Cconf vs .MDisc	0.000002	0.000694
75	Dep vs .MDisc	0.000002	0.000694
76	InfGain vs .MDisc	0.000002	0.000694
77	Lift vs .MDisc	0.000002	0.000694
78	Cover vs .Klos	0.000002	0.000837
79	Cos vs .Klos	0.000002	0.001008
80	Lever vs .Sup	0.000003	0.001055
81	Jacc vs .RelRisk	0.000003	0.001268
82	Klos vs .Streng	0.000003	0.001268
83	Jacc vs .Spec	0.000003	0.001328
84	Klos vs .SupDif	0.000004	0.001667
85	Klos vs .WRACC	0.000004	0.001667
86	Lap vs .Lever	0.000004	0.001667
87	Cover vs .RelRisk	0.000004	0.001744
88	Cover vs .Spec	0.000004	0.001825
89	Jacc vs .NetConf	0.000005	0.0019
90	Cos vs .RelRisk	0.000005	0.002078
91	Brins vs .Klos	0.000005	0.002168
92	Cole vs .Klos	0.000005	0.002168
93	Conf vs .Klos	0.000005	0.002168
94	Cos vs .Spec	0.000005	0.002168
95	ExCex vs .Klos	0.000005	0.002168
96	GR vs .Klos	0.000005	0.002168

97	Klos vs .OddsR	0.000005	0.002168
98	Klos vs .SeBag	0.000005	0.002168
99	Klos vs .Zhang	0.000005	0.002168
100	Lever vs .X2	0.000006	0.002168
101	Cover vs .NetConf	0.000006	0.002452
102	RelRisk vs .Streng	0.000006	0.002452
103	Spec vs .Streng	0.000007	0.002563
104	Cos vs .NetConf	0.000008	0.002927
105	RelRisk vs .SupDif	0.000008	0.003196
106	RelRisk vs .WRACC	0.000008	0.003196
107	Spec vs .SupDif	0.000009	0.003339
108	Spec vs .WRACC	0.000009	0.003339
109	NetConf vs .Streng	0.000009	0.003645
110	Brins vs .RelRisk	0.000011	0.004153
111	Cole vs .RelRisk	0.000011	0.004153
112	Conf vs .RelRisk	0.000011	0.004153
113	ExCex vs .RelRisk	0.000011	0.004153
114	GR vs .RelRisk	0.000011	0.004153
115	OddsR vs .RelRisk	0.000011	0.004153
116	RelRisk vs .SeBag	0.000011	0.004153
117	RelRisk vs .Zhang	0.000011	0.004153
118	Brins vs .Spec	0.000011	0.004281
119	Cole vs .Spec	0.000011	0.004281
120	Conf vs .Spec	0.000011	0.004281
121	ExCex vs .Spec	0.000011	0.004281
122	GR vs .Spec	0.000011	0.004281
123	OddsR vs .Spec	0.000011	0.004281
124	SeBag vs .Spec	0.000011	0.004281
125	Spec vs .Zhang	0.000011	0.004281
126	NetConf vs .SupDif	0.000012	0.004446
127	NetConf vs .WRACC	0.000012	0.004446
128	Brins vs .NetConf	0.000016	0.005752
129	Cole vs .NetConf	0.000016	0.005752
130	Conf vs .NetConf	0.000016	0.005752
131	ExCex vs .NetConf	0.000016	0.005752
132	GR vs .NetConf	0.000016	0.005752
133	NetConf vs .OddsR	0.000016	0.005752
134	NetConf vs .SeBag	0.000016	0.005752
135	NetConf vs .Zhang	0.000016	0.005752
136	ColStr vs .Lever	0.000021	0.007418
137	Gain vs .Lever	0.000021	0.007651
138	ACC vs .Jacc	0.000037	0.013124
139	Cconf vs .MultInf	0.000045	0.01609
140	Dep vs .MultInf	0.000045	0.01609
141	InfGain vs .MultInf	0.000045	0.01609
142	Lift vs .MultInf	0.000045	0.01609
143	ACC vs .Cover	0.000049	0.017299
144	ACC vs .Cos	0.000057	0.020259
145	Klos vs .MDisc	0.000062	0.021881
146	ACC vs .Streng	0.00007	0.024581

147	ACC vs .SupDif	0.000089	0.030151
148	ACC vs .WRACC	0.000089	0.030151
149	ACC vs .Brins	0.000112	0.038063
150	ACC vs .Cole	0.000112	0.038063
151	ACC vs .Conf	0.000112	0.038063
152	ACC vs .ExCex	0.000112	0.038063
153	ACC vs .GR	0.000112	0.038063
154	ACC vs .OddsR	0.000112	0.038063
155	ACC vs .SeBag	0.000112	0.038063
156	ACC vs .Zhang	0.000112	0.038063
157	MDisc vs .RelRisk	0.000116	0.039559
158	MDisc vs .Spec	0.000121	0.040506
159	MDisc vs .NetConf	0.000164	0.054931
160	Lever vs .Pearson	0.000177	0.059228
161	Cconf vs .Sup	0.000823	0.275754
162	Dep vs .Sup	0.000823	0.275754
163	InfGain vs .Sup	0.000823	0.275754
164	Lift vs .Sup	0.000823	0.275754
165	ACC vs .MDisc	0.000911	0.302491
166	Klos vs .MultInf	0.000975	0.322567
167	Cconf vs .Lap	0.001151	0.37879
168	Dep vs .Lap	0.001151	0.37879
169	InfGain vs .Lap	0.001151	0.37879
170	Lap vs .Lift	0.001151	0.37879
171	Jacc vs .Pearson	0.001357	0.442515
172	Cconf vs .X2	0.001449	0.470916
173	Dep vs .X2	0.001449	0.470916
174	InfGain vs .X2	0.001449	0.470916
175	Lift vs .X2	0.001449	0.470916
176	MultInf vs .RelRisk	0.001649	0.529461
177	Cover vs .Pearson	0.001703	0.536558
178	MultInf vs .Spec	0.001703	0.536558
179	Cos vs .Pearson	0.001936	0.609768
180	MultInf vs .NetConf	0.002197	0.69205
181	Pearson vs .Streng	0.002267	0.714153
182	Pearson vs .SupDif	0.002733	0.860911
183	Pearson vs .WRACC	0.002733	0.860911
184	Brins vs .Pearson	0.003285	1.021611
185	Cole vs .Pearson	0.003285	1.021611
186	Conf vs .Pearson	0.003285	1.021611
187	ExCex vs .Pearson	0.003285	1.021611
188	GR vs .Pearson	0.003285	1.021611
189	OddsR vs .Pearson	0.003285	1.021611
190	Pearson vs .SeBag	0.003285	1.021611
191	Pearson vs .Zhang	0.003285	1.021611
192	Cconf vs .ColStr	0.003707	1.130737
193	ColStr vs .Dep	0.003707	1.130737
194	ColStr vs .InfGain	0.003707	1.130737
195	ColStr vs .Lift	0.003707	1.130737
196	Cconf vs .Gain	0.00382	1.149934

197	Dep vs .Gain	0.00382	1.149934
198	Gain vs .InfGain	0.00382	1.149934
199	Gain vs .Lift	0.00382	1.149934
200	ACC vs .Lever	0.004703	1.396938
201	Gain vs .Jacc	0.006847	1.999418
202	ColStr vs .Jacc	0.007044	2.056843
203	Cover vs .Gain	0.008334	2.43357
204	ColStr vs .Cover	0.008569	2.502038
205	ACC vs .MultInf	0.009055	2.644161
206	Cos vs .Gain	0.009308	2.708582
207	ColStr vs .Cos	0.009567	2.764749
208	Klos vs .Sup	0.010382	3.000339
209	Gain vs .Streng	0.010667	3.072081
210	ColStr vs .Streng	0.010959	3.145246
211	Gain vs .SupDif	0.012529	3.583223
212	Gain vs .WRACC	0.012529	3.583223
213	ColStr vs .SupDif	0.012866	3.653825
214	ColStr vs .WRACC	0.012866	3.653825
215	Klos vs .Lap	0.013563	3.824868
216	Brins vs .Gain	0.014673	4.123039
217	Cole vs .Gain	0.014673	4.123039
218	Conf vs .Gain	0.014673	4.123039
219	ExCex vs .Gain	0.014673	4.123039
220	Gain vs .GR	0.014673	4.123039
221	Gain vs .OddsR	0.014673	4.123039
222	Gain vs .SeBag	0.014673	4.123039
223	Gain vs .Zhang	0.014673	4.123039
224	Brins vs .ColStr	0.01506	4.123039
225	Cole vs .ColStr	0.01506	4.123039
226	ColStr vs .Conf	0.01506	4.123039
227	ColStr vs .ExCex	0.01506	4.123039
228	ColStr vs .GR	0.01506	4.123039
229	ColStr vs .OddsR	0.01506	4.123039
230	ColStr vs .SeBag	0.01506	4.123039
231	ColStr vs .Zhang	0.01506	4.123039
232	Jacc vs .X2	0.015861	4.203253
233	RelRisk vs .Sup	0.015861	4.203253
234	Klos vs .X2	0.016276	4.28057
235	Spec vs .Sup	0.016276	4.28057
236	Cconf vs .Pearson	0.0167	4.358707
237	Dep vs .Pearson	0.0167	4.358707
238	InfGain vs .Pearson	0.0167	4.358707
239	Lift vs .Pearson	0.0167	4.358707
240	MDisc vs .Pearson	0.0167	4.358707
241	Lever vs .NetConf	0.017577	4.499817
242	Cover vs .X2	0.018969	4.837153
243	Jacc vs .Lap	0.018969	4.837153
244	NetConf vs .Sup	0.01995	5.047299
245	Lap vs .RelRisk	0.020456	5.155031
246	Cos vs .X2	0.020974	5.264557

247	Lap vs .Spec	0.020974	5.264557
248	Lever vs .Spec	0.021504	5.354391
249	Lever vs .RelRisk	0.022044	5.467014
250	Cover vs .Lap	0.022597	5.581469
251	Streng vs .X2	0.023739	5.839675
252	Jacc vs .Sup	0.024328	5.960306
253	RelRisk vs .X2	0.024328	5.960306
254	Cos vs .Lap	0.02493	6.057912
255	Spec vs .X2	0.02493	6.057912
256	Lap vs .NetConf	0.025544	6.156209
257	SupDif vs .X2	0.027468	6.592323
258	WRACC vs .X2	0.027468	6.592323
259	Lap vs .Streng	0.028136	6.69646
260	Cover vs .Sup	0.028819	6.83004
261	NetConf vs .X2	0.030226	7.133396
262	Brins vs .X2	0.031692	7.447725
263	Cole vs .X2	0.031692	7.447725
264	Conf vs .X2	0.031692	7.447725
265	Cos vs .Sup	0.031692	7.447725
266	ExCex vs .X2	0.031692	7.447725
267	GR vs .X2	0.031692	7.447725
268	OddsR vs .X2	0.031692	7.447725
269	SeBag vs .X2	0.031692	7.447725
270	X2 vs .Zhang	0.031692	7.447725
271	Klos vs .Lever	0.032448	7.447725
272	Lap vs .SupDif	0.032448	7.447725
273	Lap vs .WRACC	0.032448	7.447725
274	ColStr vs .Klos	0.034006	7.583317
275	Gain vs .Klos	0.034808	7.727482
276	Streng vs .Sup	0.035627	7.873605
277	Brins vs .Lap	0.037314	8.209061
278	Cole vs .Lap	0.037314	8.209061
279	Conf vs .Lap	0.037314	8.209061
280	ExCex vs .Lap	0.037314	8.209061
281	GR vs .Lap	0.037314	8.209061
282	Lap vs .OddsR	0.037314	8.209061
283	Lap vs .SeBag	0.037314	8.209061
284	Lap vs .Zhang	0.037314	8.209061
285	Sup vs .SupDif	0.040892	8.669096
286	Sup vs .WRACC	0.040892	8.669096
287	Brins vs .Sup	0.046802	9.828355
288	Cole vs .Sup	0.046802	9.828355
289	Conf vs .Sup	0.046802	9.828355
290	ExCex vs .Sup	0.046802	9.828355
291	GR vs .Sup	0.046802	9.828355
292	OddsR vs .Sup	0.046802	9.828355
293	SeBag vs .Sup	0.046802	9.828355
294	Sup vs .Zhang	0.046802	9.828355
295	ColStr vs .RelRisk	0.048925	9.88282
296	ColStr vs .Spec	0.050016	10.053295

297	Gain vs .RelRisk	0.050016	10.053295
298	Gain vs .Spec	0.051128	10.174528
299	Gain vs .MDisc	0.058243	11.532018
300	ColStr vs .MDisc	0.059505	11.722423
301	ColStr vs .NetConf	0.059505	11.722423
302	ACC vs .Sup	0.060789	11.853946
303	Gain vs .NetConf	0.060789	11.853946
304	ACC vs .Lap	0.074945	14.464366
305	ACC vs .X2	0.086374	16.583713
306	MultInf vs .Pearson	0.091684	17.511704
307	Klos vs .Pearson	0.107136	20.355815
308	MDisc vs .X2	0.109204	20.639648
309	Lap vs .MDisc	0.124582	23.421359
310	Jacc vs .MultInf	0.129272	24.173864
311	ACC vs .Cconf	0.141598	26.337146
312	ACC vs .Dep	0.141598	26.337146
313	ACC vs .InfGain	0.141598	26.337146
314	ACC vs .Lift	0.141598	26.337146
315	Pearson vs .RelRisk	0.144168	26.337146
316	Cover vs .MultInf	0.146773	26.565978
317	Pearson vs .Spec	0.146773	26.565978
318	MDisc vs .Sup	0.149415	26.745273
319	ACC vs .ColStr	0.152093	27.072489
320	ACC vs .Gain	0.154807	27.400788
321	Cos vs .MultInf	0.157557	27.730105
322	NetConf vs .Pearson	0.168931	29.562997
323	MultInf vs .Streng	0.171869	29.905187
324	Cconf vs .Lever	0.174844	30.248087
325	Dep vs .Lever	0.174844	30.248087
326	InfGain vs .Lever	0.174844	30.248087
327	Lever vs .Lift	0.174844	30.248087
328	MultInf vs .SupDif	0.190301	32.160829
329	MultInf vs .WRACC	0.190301	32.160829
330	Brins vs .MultInf	0.210149	35.094841
331	Cole vs .MultInf	0.210149	35.094841
332	Conf vs .MultInf	0.210149	35.094841
333	ExCex vs .MultInf	0.210149	35.094841
334	GR vs .MultInf	0.210149	35.094841
335	MultInf vs .OddsR	0.210149	35.094841
336	MultInf vs .SeBag	0.210149	35.094841
337	MultInf vs .Zhang	0.210149	35.094841
338	Gain vs .MultInf	0.235148	37.388592
339	ColStr vs .MultInf	0.238885	37.743806
340	Cconf vs .NetConf	0.308868	48.492231
341	Dep vs .NetConf	0.308868	48.492231
342	InfGain vs .NetConf	0.308868	48.492231
343	Lift vs .NetConf	0.308868	48.492231
344	Pearson vs .Sup	0.341277	52.215375
345	Cconf vs .Spec	0.346079	52.603933
346	Dep vs .Spec	0.346079	52.603933

347	InfGain vs .Spec	0.346079	52.603933
348	Lift vs .Spec	0.346079	52.603933
349	Cconf vs .RelRisk	0.350923	52.603933
350	Dep vs .RelRisk	0.350923	52.603933
351	InfGain vs .RelRisk	0.350923	52.603933
352	Lift vs .RelRisk	0.350923	52.603933
353	ACC vs .Pearson	0.35581	52.603933
354	MultInf vs .X2	0.370727	53.014007
355	Lap vs .Pearson	0.391211	55.551993
356	Lap vs .MultInf	0.407016	57.38926
357	Jacc vs .MDisc	0.417761	58.486544
358	Pearson vs .X2	0.428671	59.585319
359	Cconf vs .Klos	0.434188	59.917958
360	Dep vs .Klos	0.434188	59.917958
361	InfGain vs .Klos	0.434188	59.917958
362	Klos vs .Lift	0.434188	59.917958
363	Cover vs .MDisc	0.456661	61.192581
364	MultInf vs .Sup	0.46238	61.496507
365	Cos vs .MDisc	0.479773	63.330077
366	MDisc vs .MultInf	0.479773	63.330077
367	ACC vs .Klos	0.491564	63.903373
368	MDisc vs .Streng	0.509539	65.730499
369	MDisc vs .SupDif	0.546494	69.95118
370	MDisc vs .WRACC	0.546494	69.95118
371	Brins vs .MDisc	0.58473	73.675934
372	Cole vs .MDisc	0.58473	73.675934
373	Conf vs .MDisc	0.58473	73.675934
374	ExCex vs .MDisc	0.58473	73.675934
375	GR vs .MDisc	0.58473	73.675934
376	MDisc vs .OddsR	0.58473	73.675934
377	MDisc vs .SeBag	0.58473	73.675934
378	MDisc vs .Zhang	0.58473	73.675934
379	ACC vs .RelRisk	0.591221	73.675934
380	ACC vs .Spec	0.597746	73.675934
381	ColStr vs .Pearson	0.610892	73.675934
382	Gain vs .Pearson	0.617513	73.675934
383	ACC vs .NetConf	0.651077	74.222736
384	Gain vs .Sup	0.651077	74.222736
385	ColStr vs .Sup	0.657878	74.222736
386	Gain vs .Lap	0.72031	79.954393
387	ColStr vs .Lap	0.727373	80.011001
388	Gain vs .X2	0.770218	83.953815
389	ColStr vs .X2	0.777432	83.962678
390	Brins vs .Jacc	0.791917	84.735093
391	Cole vs .Jacc	0.791917	84.735093
392	Conf vs .Jacc	0.791917	84.735093
393	ExCex vs .Jacc	0.791917	84.735093
394	GR vs .Jacc	0.791917	84.735093
395	Jacc vs .OddsR	0.791917	84.735093
396	Jacc vs .SeBag	0.791917	84.735093

397	Jacc vs .Zhang	0.791917	84.735093
398	Klos vs .NetConf	0.813777	84.735093
399	Jacc vs .SupDif	0.835784	84.735093
400	Jacc vs .WRACC	0.835784	84.735093
401	Brins vs .Cover	0.843149	84.735093
402	Cole vs .Cover	0.843149	84.735093
403	Conf vs .Cover	0.843149	84.735093
404	Cover vs .ExCex	0.843149	84.735093
405	Cover vs .GR	0.843149	84.735093
406	Cover vs .OddsR	0.843149	84.735093
407	Cover vs .SeBag	0.843149	84.735093
408	Cover vs .Zhang	0.843149	84.735093
409	Brins vs .Cos	0.872741	84.735093
410	Cole vs .Cos	0.872741	84.735093
411	Conf vs .Cos	0.872741	84.735093
412	Cos vs .ExCex	0.872741	84.735093
413	Cos vs .GR	0.872741	84.735093
414	Cos vs .OddsR	0.872741	84.735093
415	Cos vs .SeBag	0.872741	84.735093
416	Cos vs .Zhang	0.872741	84.735093
417	Klos vs .Spec	0.872741	84.735093
418	Sup vs .X2	0.872741	84.735093
419	Jacc vs .Streng	0.880168	84.735093
420	Klos vs .RelRisk	0.880168	84.735093
421	Cover vs .SupDif	0.887607	84.735093
422	Cover vs .WRACC	0.887607	84.735093
423	Brins vs .Streng	0.909978	84.735093
424	Cole vs .Streng	0.909978	84.735093
425	Conf vs .Streng	0.909978	84.735093
426	ExCex vs .Streng	0.909978	84.735093
427	GR vs .Streng	0.909978	84.735093
428	OddsR vs .Streng	0.909978	84.735093
429	SeBag vs .Streng	0.909978	84.735093
430	Streng vs .Zhang	0.909978	84.735093
431	Cos vs .Jacc	0.917451	84.735093
432	Cos vs .SupDif	0.917451	84.735093
433	Cos vs .WRACC	0.917451	84.735093
434	Lap vs .Sup	0.924933	84.735093
435	Cover vs .Streng	0.93242	84.735093
436	NetConf vs .RelRisk	0.93242	84.735093
437	NetConf vs .Spec	0.939914	84.735093
438	Cover vs .Jacc	0.947413	84.735093
439	Lap vs .X2	0.947413	84.735093
440	Brins vs .SupDif	0.954917	84.735093
441	Brins vs .WRACC	0.954917	84.735093
442	Cole vs .SupDif	0.954917	84.735093
443	Cole vs .WRACC	0.954917	84.735093
444	Conf vs .SupDif	0.954917	84.735093
445	Conf vs .WRACC	0.954917	84.735093
446	ExCex vs .SupDif	0.954917	84.735093

447	ExCex vs .WRACC	0.954917	84.735093
448	GR vs .SupDif	0.954917	84.735093
449	GR vs .WRACC	0.954917	84.735093
450	OddsR vs .SupDif	0.954917	84.735093
451	OddsR vs .WRACC	0.954917	84.735093
452	SeBag vs .SupDif	0.954917	84.735093
453	SeBag vs .WRACC	0.954917	84.735093
454	Streng vs .SupDif	0.954917	84.735093
455	Streng vs .WRACC	0.954917	84.735093
456	SupDif vs .Zhang	0.954917	84.735093
457	WRACC vs .Zhang	0.954917	84.735093
458	Cos vs .Streng	0.962425	84.735093
459	Cos vs .Cover	0.969936	84.735093
460	ColStr vs .Gain	0.992482	84.735093
461	RelRisk vs .Spec	0.992482	84.735093
462	Brins vs .Cole	1	84.735093
463	Brins vs .Conf	1	84.735093
464	Brins vs .ExCex	1	84.735093
465	Brins vs .GR	1	84.735093
466	Brins vs .OddsR	1	84.735093
467	Brins vs .SeBag	1	84.735093
468	Brins vs .Zhang	1	84.735093
469	Cconf vs .Dep	1	84.735093
470	Cconf vs .InfGain	1	84.735093
471	Cconf vs .Lift	1	84.735093
472	Cole vs .Conf	1	84.735093
473	Cole vs .ExCex	1	84.735093
474	Cole vs .GR	1	84.735093
475	Cole vs .OddsR	1	84.735093
476	Cole vs .SeBag	1	84.735093
477	Cole vs .Zhang	1	84.735093
478	Conf vs .ExCex	1	84.735093
479	Conf vs .GR	1	84.735093
480	Conf vs .OddsR	1	84.735093
481	Conf vs .SeBag	1	84.735093
482	Conf vs .Zhang	1	84.735093
483	Dep vs .InfGain	1	84.735093
484	Dep vs .Lift	1	84.735093
485	ExCex vs .GR	1	84.735093
486	ExCex vs .OddsR	1	84.735093
487	ExCex vs .SeBag	1	84.735093
488	ExCex vs .Zhang	1	84.735093
489	GR vs .OddsR	1	84.735093
490	GR vs .SeBag	1	84.735093
491	GR vs .Zhang	1	84.735093
492	InfGain vs .Lift	1	84.735093
493	OddsR vs .SeBag	1	84.735093
494	OddsR vs .Zhang	1	84.735093
495	SeBag vs .Zhang	1	84.735093

496	SupDif vs .WRACC	1	84.735093
Table 4: Adjusted p -values			