

1 Measures

x	
1	Hamming Loss
2	Zero-One Loss
3	Tversky Loss_A0.5B0.5
4	Ranking Loss
5	MacroPrecisionM
6	MacroRecallM
7	Macro.Tversky_A0.5.B0.5
8	MicroTversky_A0.5B.0.5

2 Algorithms

x	
1	PairWise
2	PairWise-FCMK-N
3	PairWise-FCMK-W

3 Average Ranks

	1	2	3
Hamming Loss	2.697	1.697	1.696
Zero-One Loss	2.636	1.818	1.545
Tversky Loss_A0.5B0.5	2.485	1.894	1.621
Ranking Loss	1.848	2.106	2.045
MacroPrecisionM	2.545	1.818	1.636
MacroRecallM	1.303	2.409	2.288
Macro.Tversky_A0.5.B0.5	2.455	1.879	1.667
MicroTversky_A0.5B.0.5	2.424	1.909	1.667

Table 1: Average ranks

Critical value for Nemenyi test($\alpha = 0.05$) and 33 sets: 0.576979199548027 Critical value for Dunn test($\alpha = 0.05$) and 33 sets: 0.64100054283814

4 Group Test

Test Function: function (y, ...) Test Function: UseMethod("friedman.test")

	GroupTest ~ pValue
Hamming Loss	0.000005
Zero One Loss	0.000000
Tversky Loss A0.5B0.5	0.002183
Ranking Loss	0.490803
MicroPrecisionM	0.000723
MacroRecallM	0.000002
Micro Tversky A0.5B0.5	0.005236
MicroTversky A0.5B0.5	0.006664

Table 2: Group test p-value

5 Pairwise Tests

Correction method:holm
Test Function: function(x,...)
Test Function: useMethod("wilcox.test")

	1	2	3
Rank	2.697	1.697	1.605
1		0.000	0.000
2			0.127
3			

Table 3: Pairwise test for Hamming Loss

	1	2	3
Rank	2.636	1.818	1.545
1		0.000	0.000
2			0.024
3			

Table 4: Pairwise test for Zero-One Loss

	1	2	3
Rank	2.485	1.894	1.621
1		0.006	0.003
2			0.019
3			

Table 5: Pairwise test for Tversky Loss@0.5D0.5

	1	2	3
Rank	1.848	2.106	2.045
1		1.000	1.000
2			1.000
3			

Table 6: Pairwise test for RankingLoss

	1	2	3
Rank	2.545	1.818	1.636
1		0.000	0.000
2			0.073
3			

Table 7: Pairwise test for MacroPrecisionM

	1	2	3
Rank	1.303	2.409	2.288
1		0.000	0.000
2			0.828
3			

Table 8: Pairwise test for MacroRecallM

	1	2	3
Rank	2.455	1.879	1.667
1		0.000	0.005
2			0.025
3			

Table 9: Pairwise test for MacroTversky A0.5 B0.5

	1	2	3
Rank	2.424	1.900	1.667
1		0.005	0.001
2			0.026
3			

Table 10: Pairwise test for MicroTversky A0.5B 0.5

6 Alg Vs test

Correction method:holm
Test Function: function(x,...)
Test Function: UseMethod("wilcox.test")
Algorithms: 1 vs test

	1	2	3
Rank	2.697	1.697	1.606
1		0.000	0.000
2			
3			

Table 11: Pairwise test for Hamming Loss

	1	2	3
Rank	2.636	1.818	1.545
1		0.000	0.000
2			
3			

Table 12: Pairwise test for Zero-One Loss

	1	2	3
Rank	2.485	1.894	1.621
1		0.003	0.002
2			
3			

Table 13: Pairwise test for Tversky Loss A0.5B0.5

	1	2	3
Rank	1.848	2.106	2.045
1		1.000	1.000
2			
3			

Table 14: Pairwise test for RankingLoss

	1	2	3
Rank	2.545	1.818	1.636
1		0.000	0.000
2			
3			

Table 15: Pairwise test for MacroPrecisionM

	1	2	3
Rank	1.303	2.409	2.288
1		0.000	0.000
2			
3			

Table 16: Pairwise test for MacroRecallM

	1	2	3
Rank	2.455	1.879	1.667
1		0.004	0.003
2			
3			

Table 17: Pairwise test for Macro Tversky A0.5 B0.5

	1	2	3
Rank	2.424	1.960	1.667
1		0.002	0.001
2			
3			

Table 18: Pairwise test for MicroTversky A0.5B 0.5

7 Given pairs

Correction method:holm
Test Function: function(x,...)
Test Function: useMethod("wilcox.test")

	1	2	3
Rank	2.697	1.697	1.606
1		0.000	
2			
3			

Table 19: Pairwise test for Hamming Loss

	1	2	3
Rank	2.636	1.818	1.545
1		0.000	
2			
3			

Table 20: Pairwise test for Zero-One Loss

	1	2	3
Rank	2.485	1.894	1.621
1		0.003	
2			
3			

Table 21: Pairwise test for Tversky Loss A0.5B0.5

	1	2	3
Rank	1.848	2.106	2.045
1		0.531	
2			
3			

Table 22: Pairwise test for RankingLoss

	1	2	3
Rank	2.545	1.818	1.636
1		0.000	
2			
3			

Table 23: Pairwise test for MacroPrecisionM

	1	2	3
Rank	1.303	2.409	2.288
1		0.000	
2			
3			

Table 24: Pairwise test for MacroRecallM

	1	2	3
Rank	2.455	1.879	1.667
1		0.004	
2			
3			

Table 25: Pairwise test for Macro Tversky A0.5 B0.5

	1	2	3
Rank	2.424	1.900	1.667
1		0.002	
2			
3			

Table 26: Pairwise test for MicroTversky A0.5B 0.5

	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
Azotobacter_vinelandii	0.887	0.483	0.480
birds	0.500	0.146	0.144
Cacemorphabditis_elegans	0.831	0.283	0.283
Drosophila_melanogaster	0.845	0.518	0.518
eclipse-churn	0.888	0.514	0.480
eclipse-ent	0.945	0.330	0.454
enotious	0.287	0.243	0.241
enron	0.590	0.703	0.703
equinox-churn	0.915	0.915	0.915
equinox-ent	0.915	0.915	0.915
flags	0.444	0.330	0.333
grubase	0.911	0.410	0.410
Geobacter-sulfurreducens	0.518	0.272	0.274
Halorcula_marismortui	0.602	0.760	0.760
HumanSHO	0.506	0.225	0.224
lucene-churn	0.981	0.981	0.981
lucene-ent	0.981	0.981	0.981
mtelling	0.260	0.237	0.238
nylva-churn	0.743	0.683	0.529
nylva-ent	0.780	0.397	0.364
pde-churn	0.796	0.883	0.728
pde-ent	0.791	0.867	0.722
Pant978	0.431	0.280	0.281
pyrococcus_furiosus	0.776	0.590	0.586
Saccharomyces_cerevisiae	0.830	0.660	0.660
scene	0.324	0.093	0.093
simpleHC	0.390	0.103	0.103
simpleHS	0.645	0.615	0.615
SLASHDOT-F	0.886	0.264	0.264
stackex_chemistry	0.419	0.128	0.128
stackex_chess	0.399	0.158	0.158
tmc2007-500_sub_0	0.404	0.180	0.180
ysnet	0.432	0.315	0.314

Table 27: Mean value for: Hamming Loss

	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
Azotobacter_vinelandii	1.000	0.993	0.990
birds	1.000	0.975	0.972
Cacemorphabditis_elegans	1.000	0.820	0.820
Drosophila_melanogaster	1.000	0.998	0.998
eclipse-churn	1.000	0.990	0.989
eclipse-ent	1.000	0.996	0.977
enotious	0.888	0.802	0.800
enron	1.000	1.000	1.000
equinox-churn	1.000	1.000	1.000
equinox-ent	1.000	1.000	1.000
flags	0.995	0.943	0.943
grubase	1.000	1.000	1.000
Geobacter-sulfurreducens	0.992	0.950	0.952
Halorcula_marismortui	1.000	1.000	1.000
HumanSHO	1.000	0.988	0.988
lucene-churn	1.000	1.000	1.000
lucene-ent	1.000	1.000	1.000
mtelling	0.983	0.728	0.729
nylva-churn	0.999	0.996	0.993
nylva-ent	0.999	0.983	0.976
pde-churn	1.000	1.000	0.997
pde-ent	1.000	1.000	0.999
Pant978	1.000	1.000	1.000
pyrococcus_furiosus	1.000	1.000	1.000
Saccharomyces_cerevisiae	1.000	1.000	1.000
scene	0.997	0.280	0.381
simpleHC	1.000	0.638	0.638
simpleHS	1.000	1.000	1.000
SLASHDOT-F	1.000	0.996	0.996
stackex_chemistry	1.000	0.918	0.918
stackex_chess	1.000	0.955	0.954
tmc2007-500_sub_0	1.000	0.966	0.966
ysnet	1.000	0.986	0.986

Table 28: Mean value for: Zero-One Loss

	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
<i>Azotobacter.vinelandii</i>	0.831	0.851	0.851
birds	0.851	0.801	0.799
<i>Caenorhabditis.elegans</i>	0.830	0.728	0.728
<i>Drosophila.melanogaster</i>	0.829	0.822	0.822
ellipse-churn	0.915	0.882	0.879
ellipse-ent	0.918	0.887	0.872
emotions	0.366	0.363	0.362
exon	0.830	0.836	0.856
equinox-churn	0.862	0.862	0.862
equinox-ent	0.862	0.862	0.862
flags	0.360	0.298	0.294
genbase	0.908	0.963	0.963
<i>Geobacter.sulfurreducens</i>	0.771	0.748	0.751
<i>Haemophilus.influenzae</i>	0.766	0.816	0.816
Human3160	0.766	0.671	0.670
lucene-churn	0.969	0.969	0.969
lucene-ent	0.969	0.969	0.969
minifling	0.472	0.422	0.423
nylva-churn	0.926	0.931	0.923
nylva-ent	0.927	0.915	0.911
pde-churn	0.936	0.938	0.930
pde-ent	0.936	0.938	0.930
Plant78	0.727	0.733	0.733
<i>pyrococcus.furiosus</i>	0.804	0.784	0.784
<i>Saccharomyces.cerevisiae</i>	0.875	0.873	0.873
scene	0.485	0.280	0.280
simpleRC	0.595	0.294	0.294
simpleHS	0.621	0.621	0.621
SLASHDOT-F	0.863	0.822	0.822
stackex.chemistry	0.792	0.710	0.710
stackex.chess	0.758	0.668	0.668
tmc2007-500.sub.0	0.678	0.515	0.515
yeast	0.473	0.406	0.406

Table 29: Mean value for: Tversky-Loss.A0.5B0.5

	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
<i>Azotobacter.vinelandii</i>	0.261	0.235	0.235
birds	0.147	0.160	0.161
<i>Caenorhabditis.elegans</i>	0.195	0.174	0.174
<i>Drosophila.melanogaster</i>	0.181	0.179	0.179
ellipse-churn	0.006	0.008	0.008
ellipse-ent	0.006	0.009	0.008
emotions	0.235	0.231	0.230
exon	0.231	0.335	0.335
equinox-churn	0.003	0.003	0.003
equinox-ent	0.003	0.003	0.003
flags	0.294	0.239	0.241
genbase	0.187	0.268	0.268
<i>Geobacter.sulfurreducens</i>	0.141	0.144	0.145
<i>Haemophilus.influenzae</i>	0.194	0.283	0.283
Human3160	0.285	0.285	0.285
lucene-churn	0.000	0.000	0.000
lucene-ent	0.000	0.000	0.000
minifling	0.291	0.272	0.273
nylva-churn	0.006	0.029	0.015
nylva-ent	0.006	0.014	0.012
pde-churn	0.002	0.006	0.006
pde-ent	0.003	0.005	0.005
Plant78	0.257	0.317	0.316
<i>pyrococcus.furiosus</i>	0.188	0.216	0.215
<i>Saccharomyces.cerevisiae</i>	0.176	0.148	0.148
scene	0.188	0.168	0.168
simpleRC	0.315	0.198	0.198
simpleHS	0.460	0.436	0.436
SLASHDOT-F	0.427	0.317	0.317
stackex.chemistry	0.194	0.207	0.207
stackex.chess	0.184	0.171	0.171
tmc2007-500.sub.0	0.187	0.160	0.160
yeast	0.259	0.258	0.258

Table 30: Mean value for: Ranking-Loss

	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
<i>Azotobacter.vinelandii</i>	0.887	0.898	0.896
birds	0.808	0.729	0.733
<i>Caenorhabditis.elegans</i>	0.874	0.862	0.862
<i>Drosophila.melanogaster</i>	0.874	0.754	0.757
ellipse-churn	0.948	0.841	0.819
ellipse-ent	0.948	0.815	0.781
emotions	0.465	0.395	0.391
exon	0.910	0.913	0.913
equinox-churn	0.915	0.915	0.915
equinox-ent	0.915	0.915	0.915
flags	0.440	0.451	0.446
genbase	0.938	0.838	0.838
<i>Geobacter.sulfurreducens</i>	0.808	0.740	0.752
<i>Haemophilus.influenzae</i>	0.810	0.881	0.881
Human3160	0.892	0.799	0.798
lucene-churn	0.981	0.981	0.981
lucene-ent	0.981	0.981	0.981
minifling	0.598	0.431	0.432
nylva-churn	0.912	0.909	0.865
nylva-ent	0.914	0.929	0.893
pde-churn	0.959	0.903	0.871
pde-ent	0.960	0.903	0.873
Plant78	0.863	0.817	0.817
<i>pyrococcus.furiosus</i>	0.861	0.834	0.834
<i>Saccharomyces.cerevisiae</i>	0.910	0.892	0.892
scene	0.621	0.227	0.227
simpleRC	0.713	0.076	0.076
simpleHS	0.728	0.746	0.746
SLASHDOT-F	0.941	0.780	0.780
stackex.chemistry	0.828	0.644	0.644
stackex.chess	0.836	0.633	0.632
tmc2007-500.sub.0	0.834	0.722	0.721
yeast	0.620	0.590	0.590

Table 31: Mean value for: MacroPrecisionM

	PairWise	PairWise-FCMR-N	PairWise-FCMR-W
<i>Azotobacter_vinelandii</i>	0.000	0.443	0.450
birds	0.170	0.553	0.559
<i>Caenorhabditis_elegans</i>	0.045	0.668	0.667
<i>Drosophila_melanogaster</i>	0.027	0.288	0.288
ellipse-churn	0.220	0.309	0.329
ellipse-ent	0.200	0.364	0.324
emotions	0.151	0.250	0.249
etron	0.232	0.254	0.254
equinox-churn	0.640	0.640	0.640
equinox-ent	0.640	0.640	0.640
flags	0.121	0.232	0.198
genbase	0.274	0.584	0.584
<i>Geobacter_sulfurreducens</i>	0.237	0.477	0.477
<i>Halorculis_marismortui</i>	0.103	0.104	0.104
Human3160	0.239	0.549	0.563
lucene-churn	0.800	0.800	0.800
lucene-ent	0.800	0.800	0.800
minilng	0.180	0.348	0.349
nylva-churn	0.303	0.428	0.501
nylvs-ent	0.274	0.584	0.570
pde-churn	0.440	0.240	0.240
pds-ent	0.420	0.260	0.260
Plant978	0.283	0.496	0.494
<i>pyrococcus_furiosus</i>	0.042	0.224	0.227
<i>Saccharomyces_cerevisiae</i>	0.070	0.223	0.223
scene	0.035	0.209	0.209
simpleHC	0.296	0.501	0.501
simpleHS	0.111	0.165	0.165
SLASHDOT-F	0.157	0.567	0.567
stackex.chemistry	0.162	0.535	0.535
stackex.cases	0.150	0.426	0.424
tmc2007-500.ssh.0	0.056	0.470	0.470
yeast	0.239	0.337	0.342

Table 32: Mean value for: MacroRecallM

	PairWise	PairWise-FCMR-N	PairWise-FCMR-W
<i>Azotobacter_vinelandii</i>	0.800	0.848	0.848
birds	0.826	0.716	0.720
<i>Caenorhabditis_elegans</i>	0.788	0.850	0.850
<i>Drosophila_melanogaster</i>	0.781	0.707	0.707
ellipse-churn	0.911	0.801	0.779
ellipse-ent	0.911	0.796	0.762
emotions	0.350	0.343	0.341
etron	0.861	0.882	0.882
equinox-churn	0.877	0.877	0.877
equinox-ent	0.877	0.877	0.877
flags	0.373	0.372	0.358
genbase	0.806	0.824	0.824
<i>Geobacter_sulfurreducens</i>	0.725	0.701	0.707
<i>Halorculis_marismortui</i>	0.719	0.796	0.796
Human3160	0.821	0.763	0.761
lucene-churn	0.966	0.966	0.966
lucene-ent	0.966	0.966	0.966
minilng	0.464	0.410	0.411
nylva-churn	0.871	0.915	0.884
nylvs-ent	0.876	0.915	0.887
pde-churn	0.927	0.873	0.826
pds-ent	0.928	0.873	0.826
Plant978	0.776	0.774	0.773
<i>pyrococcus_furiosus</i>	0.768	0.761	0.760
<i>Saccharomyces_cerevisiae</i>	0.340	0.325	0.325
scene	0.462	0.253	0.253
simpleHC	0.594	0.358	0.357
simpleHS	0.616	0.627	0.627
SLASHDOT-F	0.894	0.776	0.776
stackex.chemistry	0.732	0.638	0.638
stackex.cases	0.735	0.608	0.607
tmc2007-500.ssh.0	0.733	0.671	0.671
yeast	0.531	0.516	0.516

Table 33: Mean value for: MacroTversky A0.5 B0.5

	PairWise	PairWise-FCMR-N	PairWise-FCMR-W
<i>Azotobacter_vinelandii</i>	0.797	0.805	0.805
birds	0.835	0.743	0.742
<i>Caenorhabditis_elegans</i>	0.788	0.813	0.813
<i>Drosophila_melanogaster</i>	0.782	0.734	0.734
ellipse-churn	0.895	0.839	0.839
ellipse-ent	0.901	0.847	0.814
emotions	0.350	0.338	0.336
etron	0.827	0.857	0.857
equinox-churn	0.844	0.844	0.844
equinox-ent	0.844	0.844	0.844
flags	0.345	0.285	0.282
genbase	0.907	0.963	0.963
<i>Geobacter_sulfurreducens</i>	0.720	0.676	0.678
<i>Halorculis_marismortui</i>	0.731	0.789	0.789
Human3160	0.765	0.670	0.670
lucene-churn	0.964	0.964	0.964
lucene-ent	0.964	0.964	0.964
minilng	0.469	0.423	0.425
nylva-churn	0.893	0.898	0.875
nylvs-ent	0.898	0.849	0.836
pde-churn	0.917	0.921	0.904
pds-ent	0.916	0.919	0.905
Plant978	0.729	0.731	0.731
<i>pyrococcus_furiosus</i>	0.771	0.745	0.743
<i>Saccharomyces_cerevisiae</i>	0.340	0.331	0.331
scene	0.484	0.264	0.264
simpleHC	0.591	0.351	0.351
simpleHS	0.608	0.607	0.607
SLASHDOT-F	0.892	0.819	0.819
stackex.chemistry	0.775	0.663	0.663
stackex.cases	0.744	0.620	0.620
tmc2007-500.ssh.0	0.670	0.531	0.531
yeast	0.461	0.394	0.394

Table 34: Mean value for: MicroTversky A0.5B 0.5

9 Combined Means

	Hamming Loss PairWise	Hamming Loss PairWise FCMK_N	Hamming Loss PairWise FCMK_W	Zero One Loss PairWise	Zero One Loss PairWise FCMK_N	Zero One Loss PairWise FCMK_W	Tversky Loss A0.5B0.5 PairWise	Tversky Loss A0.5B0.5 PairWise FCMK_N	Tversky Loss A0.5B0.5 PairWise FCMK_W	Ranking Loss PairWise	Ranking Loss PairWise FCMK_N	Ranking Loss PairWise FCMK_W	MacroPrecisionM PairWise	MacroPrecisionM PairWise FCMK_N	MacroPrecisionM PairWise FCMK_W	MacroRecallM PairWise	MacroRecallM PairWise FCMK_N	MacroRecallM PairWise FCMK_W
Azotobacter_vinelandii	0.887	0.483	0.480	1.000	0.993	0.990	0.831	0.851	0.851	0.261	0.235	0.235	0.887	0.898	0.898	0.896	0.000	0.443
birds	0.500	0.146	0.144	1.000	0.975	0.970	0.851	0.799	0.801	0.147	0.160	0.160	0.733	0.729	0.729	0.733	0.170	0.553
Casorhynchus_elegans	0.851	0.283	0.283	1.000	0.820	0.820	0.728	0.728	0.728	0.155	0.171	0.171	0.871	0.862	0.862	0.862	0.045	0.668
Drosophila_melanogaster	0.845	0.518	0.518	1.000	0.998	0.998	0.829	0.822	0.822	0.181	0.179	0.179	0.874	0.754	0.754	0.757	0.288	0.288
eclipse-churn	0.888	0.514	0.480	1.000	0.990	0.989	0.915	0.879	0.908	0.006	0.008	0.008	0.948	0.841	0.841	0.819	0.220	0.369
eclipse-ent	0.945	0.559	0.454	1.000	0.996	0.977	0.918	0.887	0.906	0.872	0.006	0.008	0.948	0.815	0.815	0.781	0.200	0.364
emotions	0.287	0.243	0.241	0.888	0.802	0.800	0.366	0.363	0.363	0.235	0.231	0.230	0.465	0.395	0.395	0.391	0.151	0.250
enron	0.590	0.703	0.703	1.000	0.856	0.856	0.830	0.856	0.856	0.231	0.335	0.335	0.910	0.913	0.913	0.913	0.232	0.254
equinox-churn	0.915	0.915	0.915	1.000	0.862	0.862	0.862	0.862	0.862	0.003	0.003	0.003	0.915	0.915	0.915	0.915	0.640	0.640
equinox-ent	0.915	0.915	0.915	1.000	0.862	0.862	0.862	0.862	0.862	0.003	0.003	0.003	0.915	0.915	0.915	0.915	0.640	0.640
flags	0.444	0.330	0.333	0.995	0.943	0.943	0.360	0.298	0.294	0.239	0.241	0.239	0.440	0.451	0.451	0.446	0.121	0.232
grubosic	0.911	0.410	0.410	1.000	0.983	0.988	0.963	0.963	0.963	0.187	0.208	0.208	0.938	0.838	0.838	0.838	0.271	0.354
Geobacter_sulfurreducens	0.518	0.272	0.274	0.992	0.950	0.952	0.771	0.748	0.748	0.141	0.144	0.145	0.808	0.740	0.740	0.752	0.237	0.477
Halosarcus_matisoffii	0.602	0.700	0.700	1.000	0.766	0.766	0.816	0.816	0.816	0.194	0.283	0.283	0.810	0.881	0.881	0.881	0.163	0.194
Human3160	0.506	0.225	0.224	1.000	0.988	0.988	0.766	0.671	0.670	0.285	0.285	0.285	0.892	0.799	0.799	0.798	0.239	0.249
hucene-churn	0.981	0.981	0.981	1.000	1.000	1.000	0.969	0.969	0.969	0.000	0.000	0.000	0.981	0.981	0.981	0.981	0.800	0.800
hucene-ent	0.981	0.981	0.981	1.000	1.000	1.000	0.969	0.969	0.969	0.000	0.000	0.000	0.981	0.981	0.981	0.981	0.800	0.800
mailing	0.369	0.237	0.238	0.983	0.728	0.729	0.472	0.423	0.421	0.272	0.273	0.273	0.598	0.431	0.431	0.432	0.180	0.348
mylyn-churn	0.743	0.683	0.529	0.999	0.996	0.993	0.926	0.931	0.923	0.006	0.020	0.015	0.912	0.909	0.909	0.865	0.303	0.428
mylyn-ent	0.780	0.397	0.364	0.999	0.983	0.976	0.927	0.911	0.911	0.006	0.014	0.012	0.914	0.893	0.893	0.874	0.274	0.584
pds-churn	0.796	0.883	0.728	1.000	0.997	0.996	0.930	0.907	0.930	0.002	0.006	0.006	0.959	0.903	0.903	0.871	0.440	0.540
pds-ent	0.791	0.867	0.722	1.000	0.999	0.999	0.936	0.930	0.930	0.003	0.005	0.005	0.960	0.903	0.903	0.873	0.420	0.260
Plant978	0.431	0.280	0.281	1.000	0.733	0.733	0.727	0.733	0.733	0.317	0.316	0.316	0.863	0.817	0.817	0.817	0.283	0.496
pyrococcus_ferrous	0.775	0.590	0.586	1.000	0.984	0.984	0.784	0.784	0.784	0.188	0.215	0.215	0.861	0.834	0.834	0.834	0.012	0.224
Saccharomyces_cerevisiae	0.830	0.660	0.660	1.000	1.000	1.000	0.875	0.873	0.873	0.176	0.148	0.148	0.910	0.892	0.892	0.892	0.070	0.223
scene	0.324	0.093	0.093	0.997	0.381	0.380	0.485	0.280	0.280	0.188	0.168	0.168	0.621	0.227	0.227	0.227	0.035	0.269
simpleHC	0.390	0.103	0.103	1.000	0.638	0.638	0.294	0.294	0.294	0.108	0.108	0.108	0.715	0.076	0.076	0.076	0.296	0.501
simpleHS	0.645	0.615	0.615	1.000	1.000	1.000	0.621	0.621	0.621	0.360	0.456	0.456	0.738	0.746	0.746	0.746	0.111	0.165
SLASHDOT-F	0.886	0.264	0.264	1.000	0.996	0.996	0.883	0.822	0.822	0.147	0.317	0.317	0.941	0.780	0.780	0.780	0.157	0.567
stackex.chemistry	0.419	0.128	0.128	1.000	0.918	0.918	0.792	0.710	0.710	0.194	0.207	0.207	0.825	0.644	0.644	0.644	0.162	0.535
stackex.csharp	0.399	0.158	0.158	1.000	0.955	0.954	0.758	0.668	0.668	0.184	0.171	0.171	0.836	0.633	0.633	0.632	0.150	0.426
tmc2007-500.sub.0	0.404	0.180	0.180	1.000	0.966	0.966	0.678	0.515	0.515	0.187	0.160	0.160	0.834	0.722	0.722	0.721	0.156	0.470
ynet	0.432	0.315	0.314	1.000	0.986	0.986	0.473	0.406	0.406	0.259	0.258	0.258	0.620	0.590	0.590	0.590	0.239	0.537

Table 35: Combined Mean values

	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
Azotobacter_vinelandii	3.000	2.000	1.000
birds	3.000	2.000	1.000
Caeonorbabditis_elegans	3.000	1.000	2.000
Drosophila_melanogaster	3.000	1.000	2.000
eclipse-churn	3.000	2.000	1.000
eclipse-ent	3.000	2.000	1.000
enotious	3.000	2.000	1.000
enron	1.000	2.000	3.000
equinox-churn	2.000	2.000	2.000
equinox-ent	2.000	2.000	2.000
flags	3.000	1.000	2.000
grubase	3.000	1.500	1.500
Geobacter-sulfurreducens	3.000	1.000	2.000
Halorcula_marismortui	1.000	2.500	2.500
HumanSHO	3.000	2.000	1.000
lucene-churn	2.000	2.000	2.000
lucene-ent	2.000	2.000	2.000
stallion	3.000	1.000	2.000
nylva-churn	3.000	2.000	1.000
nylva-ent	3.000	2.000	1.000
pde-churn	2.000	3.000	1.000
pde-ent	2.000	3.000	1.000
Pau978	3.000	1.000	2.000
pyrococcus_furiosus	3.000	2.000	1.000
Saccharomyces_cerevisiae	3.000	1.000	2.000
scene	3.000	1.000	2.000
simpleHC	3.000	2.000	1.000
simpleHS	3.000	1.000	2.000
SLASHDOT-F	3.000	1.000	2.000
stackex_chemistry	3.000	1.000	2.000
stackex_chess	3.000	1.000	2.000
tmc2007-500_sub.0	3.000	2.000	1.000
ynet	3.000	2.000	1.000

Table 36: Ranks for: Hamming Loss

	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
Azotobacter_vinelandii	3.000	2.000	1.000
birds	3.000	2.000	1.000
Caeonorbabditis_elegans	3.000	1.500	1.500
Drosophila_melanogaster	3.000	1.500	1.500
eclipse-churn	3.000	2.000	1.000
eclipse-ent	3.000	2.000	1.000
enotious	3.000	2.000	1.000
enron	2.000	2.000	2.000
equinox-churn	2.000	2.000	2.000
equinox-ent	2.000	2.000	2.000
flags	3.000	2.000	1.000
grubase	2.000	2.000	2.000
Geobacter-sulfurreducens	3.000	1.000	2.000
Halorcula_marismortui	2.000	2.000	2.000
HumanSHO	3.000	1.500	1.500
lucene-churn	2.000	2.000	2.000
lucene-ent	2.000	2.000	2.000
stallion	3.000	1.000	2.000
nylva-churn	3.000	2.000	1.000
nylva-ent	3.000	2.000	1.000
pde-churn	2.500	2.500	1.000
pde-ent	2.500	2.500	1.000
Pau978	2.000	2.000	2.000
pyrococcus_furiosus	2.000	2.000	2.000
Saccharomyces_cerevisiae	2.000	2.000	2.000
scene	3.000	1.000	2.000
simpleHC	3.000	1.500	1.500
simpleHS	2.000	2.000	2.000
SLASHDOT-F	3.000	1.500	1.500
stackex_chemistry	3.000	1.500	1.500
stackex_chess	3.000	2.000	1.000
tmc2007-500_sub.0	3.000	1.500	1.500
ynet	3.000	1.500	1.500

Table 37: Ranks for: Zero-One Loss

	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
Azotobacter.vinelandii	1.000	2.000	3.000
birds	3.000	2.000	1.000
Caenorhabditis.elegans	3.000	2.000	1.000
Drosophila.melanogaster	3.000	1.000	2.000
ellipse-churn	3.000	2.000	1.000
ellipse-ent	3.000	2.000	1.000
emotions	3.000	2.000	1.000
exon	1.000	2.000	3.000
equinox-churn	2.000	2.000	2.000
equinox-ent	2.000	2.000	2.000
flags	3.000	2.000	1.000
genbase	1.000	2.500	2.500
Gridbacter.sulfuriseductus	3.000	1.000	2.000
Haemaphys.martenseni	1.000	2.500	2.500
Human3160	3.000	2.000	1.000
lucene-churn	2.000	2.000	2.000
lucene-ent	2.000	2.000	2.000
minifling	3.000	1.000	2.000
nylva-churn	2.000	3.000	1.000
nylva-ent	3.000	2.000	1.000
pde-churn	2.000	3.000	1.000
pds-ent	2.000	3.000	1.000
Plant578	1.000	2.000	3.000
pyrococcus.furiosus	3.000	2.000	1.000
Saccharomyces.cerevisiae	3.000	1.000	2.000
scene	3.000	1.000	2.000
simpleRC	3.000	2.000	1.000
simpleHS	3.000	1.000	2.000
SLASHDOT-F	3.000	1.000	2.000
stackex.chemistry	3.000	1.500	1.500
stackex.chess	3.000	2.000	1.000
tmc2007-500.ssh.0	3.000	2.000	1.000
yeast	3.000	2.000	1.000

Table 38: Ranks for: TverskyLoss@0.5@0.5

	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
Azotobacter.vinelandii	3.000	1.000	2.000
birds	1.000	2.000	3.000
Caenorhabditis.elegans	3.000	1.000	2.000
Drosophila.melanogaster	3.000	1.000	2.000
ellipse-churn	1.000	3.000	2.000
ellipse-ent	1.000	3.000	2.000
emotions	3.000	2.000	1.000
exon	1.000	2.000	3.000
equinox-churn	2.000	2.000	2.000
equinox-ent	2.000	2.000	2.000
flags	1.000	3.000	2.000
genbase	1.000	2.500	2.500
Gridbacter.sulfuriseductus	1.000	2.000	3.000
Haemaphys.martenseni	1.000	2.500	2.500
Human3160	1.000	3.000	2.000
lucene-churn	2.000	2.000	2.000
lucene-ent	2.000	2.000	2.000
minifling	3.000	1.000	2.000
nylva-churn	1.000	3.000	2.000
nylva-ent	1.000	3.000	2.000
pde-churn	1.000	2.500	2.500
pds-ent	1.000	2.500	2.500
Plant578	1.000	3.000	2.000
pyrococcus.furiosus	1.000	3.000	2.000
Saccharomyces.cerevisiae	3.000	1.500	1.500
scene	3.000	2.000	1.000
simpleRC	3.000	2.000	1.000
simpleHS	1.000	2.000	3.000
SLASHDOT-F	3.000	1.000	2.000
stackex.chemistry	1.000	2.000	3.000
stackex.chess	3.000	2.000	1.000
tmc2007-500.ssh.0	3.000	2.000	1.000
yeast	3.000	2.000	1.000

Table 39: Ranks for: RankingLoss

	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
Azotobacter.vinelandii	1.000	3.000	2.000
birds	3.000	1.000	2.000
Caenorhabditis.elegans	3.000	2.000	1.000
Drosophila.melanogaster	3.000	1.000	2.000
ellipse-churn	3.000	2.000	1.000
ellipse-ent	3.000	2.000	1.000
emotions	3.000	2.000	1.000
exon	1.000	2.000	3.000
equinox-churn	2.000	2.000	2.000
equinox-ent	2.000	2.000	2.000
flags	1.000	3.000	2.000
genbase	3.000	1.500	1.500
Gridbacter.sulfuriseductus	3.000	1.000	2.000
Haemaphys.martenseni	1.000	2.500	2.500
Human3160	3.000	2.000	1.000
lucene-churn	2.000	2.000	2.000
lucene-ent	2.000	2.000	2.000
minifling	3.000	1.000	2.000
nylva-churn	3.000	2.000	1.000
nylva-ent	2.000	3.000	1.000
pde-churn	3.000	2.000	1.000
pds-ent	3.000	2.000	1.000
Plant578	3.000	1.000	2.000
pyrococcus.furiosus	3.000	1.000	2.000
Saccharomyces.cerevisiae	3.000	1.000	2.000
scene	3.000	1.000	2.000
simpleRC	3.000	2.000	1.000
simpleHS	1.000	3.000	2.000
SLASHDOT-F	3.000	2.000	1.000
stackex.chemistry	3.000	1.000	2.000
stackex.chess	3.000	2.000	1.000
tmc2007-500.ssh.0	3.000	2.000	1.000
yeast	3.000	1.000	2.000

Table 40: Ranks for: MacroPrecisionM

	PairWise	PairWise-FCMR-N	PairWise-FCMR-W
<i>Azotobacter.vinelandii</i>	1.000	2.000	3.000
birds	1.000	2.000	3.000
<i>Caenorhabditis.elegans</i>	1.000	3.000	2.000
<i>Drosophila.melanogaster</i>	1.000	2.500	2.500
ellipse-churn	1.000	3.000	2.000
ellipse-ent	1.000	3.000	2.000
enotions	1.000	3.000	2.000
etron	1.000	2.500	2.500
equinox-churn	2.000	2.000	2.000
equinox-ent	2.000	2.000	2.000
flags	1.000	3.000	2.000
genbase	1.000	2.500	2.500
<i>Geobacter.sulfurreducens</i>	1.000	3.000	2.000
<i>Halorculu.marismortui</i>	3.000	1.500	1.500
Human3160	1.000	2.000	3.000
lucene-churn	2.000	2.000	2.000
lucene-ent	2.000	2.000	2.000
minifling	1.000	2.000	3.000
nyltya-churn	1.000	2.000	3.000
nyltya-ent	1.000	3.000	2.000
pde-churn	3.000	1.500	1.500
pde-ent	3.000	1.500	1.500
Plant978	1.000	3.000	2.000
<i>pyrococcus.furiosus</i>	1.000	2.000	3.000
<i>Saccharomyces.cerevisiae</i>	1.000	2.500	2.500
scene	1.000	2.500	2.500
simpleHC	1.000	3.000	2.000
simpleHS	1.000	3.000	2.000
SLASHDOT-F	1.000	2.500	2.500
stackex.chemistry	1.000	2.500	2.500
stackex.cases	1.000	3.000	2.000
tmc2007-500.snh.0	1.000	2.500	2.500
yeast	1.000	2.000	3.000

Table 41: Ranks for: MacroRecallM

	PairWise	PairWise-FCMR-N	PairWise-FCMR-W
<i>Azotobacter.vinelandii</i>	1.000	2.000	3.000
birds	3.000	1.000	2.000
<i>Caenorhabditis.elegans</i>	1.000	3.000	2.000
<i>Drosophila.melanogaster</i>	3.000	1.000	2.000
ellipse-churn	3.000	1.000	1.000
ellipse-ent	3.000	2.000	1.000
enotions	3.000	2.000	1.000
etron	1.000	2.000	3.000
equinox-churn	2.000	2.000	2.000
equinox-ent	2.000	2.000	2.000
flags	3.000	2.000	1.000
genbase	3.000	1.500	1.500
<i>Geobacter.sulfurreducens</i>	3.000	1.000	2.000
<i>Halorculu.marismortui</i>	1.000	2.500	2.500
Human3160	3.000	2.000	1.000
lucene-churn	2.000	2.000	2.000
lucene-ent	2.000	2.000	2.000
minifling	3.000	1.000	2.000
nyltya-churn	1.000	3.000	2.000
nyltya-ent	1.000	3.000	2.000
pde-churn	3.000	2.000	1.000
pde-ent	3.000	2.000	1.000
Plant978	3.000	2.000	1.000
<i>pyrococcus.furiosus</i>	3.000	2.000	1.000
<i>Saccharomyces.cerevisiae</i>	3.000	1.000	2.000
scene	3.000	1.000	2.000
simpleHC	3.000	2.000	1.000
simpleHS	1.000	3.000	2.000
SLASHDOT-F	3.000	2.000	1.000
stackex.chemistry	3.000	1.000	2.000
stackex.cases	3.000	2.000	1.000
tmc2007-500.snh.0	3.000	2.000	1.000
yeast	3.000	1.000	2.000

Table 42: Ranks for: Macro Tversky A0.5 B0.5

	PairWise	PairWise-FCMR-N	PairWise-FCMR-W
<i>Azotobacter.vinelandii</i>	1.000	3.000	2.000
birds	3.000	2.000	1.000
<i>Caenorhabditis.elegans</i>	1.000	3.000	2.000
<i>Drosophila.melanogaster</i>	3.000	1.000	2.000
ellipse-churn	3.000	2.000	1.000
ellipse-ent	3.000	2.000	1.000
enotions	3.000	2.000	1.000
etron	1.000	2.000	3.000
equinox-churn	2.000	2.000	2.000
equinox-ent	2.000	2.000	2.000
flags	3.000	2.000	1.000
genbase	1.000	2.500	2.500
<i>Geobacter.sulfurreducens</i>	3.000	1.000	2.000
<i>Halorculu.marismortui</i>	1.000	2.500	2.500
Human3160	3.000	2.000	1.000
lucene-churn	2.000	2.000	2.000
lucene-ent	2.000	2.000	2.000
minifling	3.000	1.000	2.000
nyltya-churn	2.000	3.000	1.000
nyltya-ent	3.000	2.000	1.000
pde-churn	2.000	3.000	1.000
pde-ent	2.000	3.000	1.000
Plant978	1.000	2.000	3.000
<i>pyrococcus.furiosus</i>	3.000	2.000	1.000
<i>Saccharomyces.cerevisiae</i>	3.000	1.000	2.000
scene	3.000	1.000	2.000
simpleHC	3.000	2.000	1.000
simpleHS	3.000	1.000	2.000
SLASHDOT-F	3.000	1.000	2.000
stackex.chemistry	3.000	1.000	2.000
stackex.cases	3.000	1.000	2.000
tmc2007-500.snh.0	3.000	2.000	1.000
yeast	3.000	2.000	1.000

Table 43: Ranks for: MicroTversky A0.5B 0.5