

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	1.682	1.621
Zero-One Loss	2.621	1.758	1.621
Tversky LossA0.5B0.5	2.485	1.773	1.742
Ranking Loss	1.758	2.106	2.136
MacroPrecisionM	2.697	1.712	1.591
MacroRecallM	1.364	2.258	2.379
Macro.Tversky_A0.5.B0.5	2.545	1.773	1.682
MicroTversky_A0.5B.0.5	2.485	1.773	1.742

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	0.003224
Ranking Loss	0.175742
MicroPrecisionM	0.000005
MacroRecallM	0.000011
Micro Tversky A0.5B0.5	0.000679
MicroTversky A0.5B0.5	0.003224

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	1.682	1.621
1		0.000	0.000
2			0.388
3			

Table 3: Pairwise test for Hamming Loss

	1	2	3
Rank	2.621	1.758	1.621
1		0.000	0.000
2			0.067
3			

Table 4: Pairwise test for Zero-One Loss

	1	2	3
Rank	2.485	1.773	1.742
1		0.004	0.002
2			0.310
3			

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

	1	2	3
Rank	1.758	2.106	2.136
1		1.000	1.000
2			1.000
3			

Table 6: Pairwise test for RankingLoss

	1	2	3
Rank	2.697	1.712	1.591
1		0.000	0.000
2			0.110
3			

Table 7: Pairwise test for MacroPrecisionM

	1	2	3
Rank	1.364	2.258	2.379
1		0.000	0.000
2			0.737
3			

Table 8: Pairwise test for MacroRecallM

	1	2	3
Rank	2.545	1.773	1.682
1		0.002	0.001
2			0.155
3			

Table 9: Pairwise test for Macro Tversky A0.5 B0.5

	1	2	3
Rank	2.485	1.773	1.742
1		0.003	0.001
2			0.253
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	1.682	1.621
1		0.000	0.000
2			
3			

Table 11: Pairwise test for Hamming Loss

	1	2	3
Rank	2.621	1.758	1.621
1		0.000	0.000
2			
3			

Table 12: Pairwise test for Zero-One Loss

	1	2	3
Rank	2.485	1.773	1.742
1		0.002	0.001
2			
3			

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

	1	2	3
Rank	1.758	2.106	2.136
1		0.728	0.728
2			
3			

Table 14: Pairwise test for RankingLoss

	1	2	3
Rank	2.697	1.712	1.591
1		0.000	0.000
2			
3			

Table 15: Pairwise test for MacroPrecisionM

	1	2	3
Rank	1.364	2.258	2.379
1		0.000	0.000
2			
3			

Table 16: Pairwise test for MacroRecallM

	1	2	3
Rank	2.545	1.773	1.682
1		0.001	0.000
2			
3			

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

	1	2	3
Rank	2.485	1.773	1.742
1		0.001	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	1.682	1.621
1		0.000	
2			
3			

Table 19: Pairwise test for Hamming Loss

	1	2	3
Rank	2.621	1.758	1.621
1		0.000	
2			
3			

Table 20: Pairwise test for Zero-One Loss

	1	2	3
Rank	2.485	1.773	1.742
1		0.002	
2			
3			

Table 21: Pairwise test for Tversky Loss@0.5B@0.5

	1	2	3
Rank	1.758	2.106	2.136
1		0.364	
2			
3			

Table 22: Pairwise test for RankingLoss

	1	2	3
Rank	2.697	1.712	1.591
1		0.000	
2			
3			

Table 23: Pairwise test for MacroPrecisionM

	1	2	3
Rank	1.364	2.258	2.379
1		0.000	
2			
3			

Table 24: Pairwise test for MacroRecallM

	1	2	3
Rank	2.545	1.773	1.682
1		0.001	
2			
3			

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

	1	2	3
Rank	2.485	1.773	1.742
1		0.001	
2			
3			

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



	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
Azotobacter_vinelandii	0.887	0.489	0.489
birds	0.510	0.140	0.141
Ctenorhabdittis_elegans	0.846	0.285	0.285
Drosophila_melanogaster	0.861	0.506	0.506
eclipse-churn	0.898	0.529	0.477
eclipse-ent	0.941	0.539	0.453
emotions	0.282	0.258	0.256
enron	0.596	0.712	0.712
equinox-churn	0.915	0.915	0.915
equinox-ent	0.915	0.915	0.915
flags	0.432	0.330	0.329
grubase	0.925	0.410	0.410
Geobacter_sulfurreducens	0.608	0.309	0.311
Halorcula_marismortui	0.682	0.759	0.759
HumanSHO	0.618	0.205	0.205
lucene-churn	0.981	0.981	0.981
lucene-ent	0.981	0.981	0.981
mtelling	0.402	0.246	0.246
nylyn-churn	0.761	0.684	0.529
nylyn-ent	0.760	0.359	0.311
pde-churn	0.708	0.883	0.728
pde-ent	0.770	0.867	0.730
Pima978	0.428	0.273	0.274
pyrococcus_furiosus	0.720	0.584	0.582
Saccharomyces_cerevisiae	0.785	0.675	0.676
scene	0.327	0.104	0.105
simpleHC	0.400	0.111	0.111
simpleHS	0.686	0.650	0.651
SLASHDOT-F	0.883	0.269	0.269
stackex_chemistry	0.447	0.165	0.165
stackex_chess	0.439	0.177	0.177
tmc2007-500_sub_0	0.384	0.182	0.182
ysnet	0.589	0.315	0.315

Table 27: Mean value for: Hamming Loss

	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
Azotobacter_vinelandii	1.000	0.995	0.995
birds	1.000	0.951	0.951
Ctenorhabdittis_elegans	1.000	0.887	0.887
Drosophila_melanogaster	0.999	0.998	0.998
eclipse-churn	1.000	0.992	0.984
eclipse-ent	1.000	0.996	0.980
emotions	0.881	0.862	0.857
enron	1.000	1.000	1.000
equinox-churn	1.000	1.000	1.000
equinox-ent	1.000	1.000	1.000
flags	0.989	0.938	0.923
grubase	1.000	1.000	1.000
Geobacter_sulfurreducens	1.000	0.966	0.968
Halorcula_marismortui	1.000	1.000	1.000
HumanSHO	1.000	0.982	0.982
lucene-churn	1.000	1.000	1.000
lucene-ent	1.000	1.000	1.000
mtelling	0.994	0.758	0.758
nylyn-churn	0.999	0.995	0.993
nylyn-ent	0.999	0.979	0.968
pde-churn	1.000	1.000	0.997
pde-ent	1.000	1.000	1.000
Pima978	1.000	0.995	0.995
pyrococcus_furiosus	1.000	1.000	1.000
Saccharomyces_cerevisiae	1.000	1.000	1.000
scene	0.998	0.450	0.454
simpleHC	1.000	0.670	0.670
simpleHS	1.000	1.000	1.000
SLASHDOT-F	1.000	1.000	1.000
stackex_chemistry	1.000	0.971	0.971
stackex_chess	1.000	0.973	0.973
tmc2007-500_sub_0	1.000	0.962	0.962
ysnet	1.000	0.980	0.980

Table 28: Mean value for: Zero One Loss

	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
Azotobacter_vinelandii	0.831	0.854	0.854
birds	0.856	0.787	0.786
Caenorhabditis_elegans	0.831	0.794	0.794
Drosophila_melanogaster	0.830	0.822	0.822
ellipse-charn	0.914	0.886	0.878
ellipse-ent	0.918	0.887	0.873
emotions	0.365	0.367	0.366
exon	0.852	0.856	0.856
equinox-charn	0.862	0.862	0.862
equinox-ent	0.862	0.862	0.862
flags	0.256	0.296	0.293
genbase	0.910	0.963	0.963
Geobacter_sulfurreducens	0.799	0.767	0.768
Haemophilus_influenzae	0.778	0.815	0.815
Human3160	0.796	0.656	0.657
lucene-charn	0.969	0.969	0.969
lucene-ent	0.969	0.969	0.969
minifling	0.494	0.437	0.437
nylva-charn	0.927	0.931	0.923
nylva-ent	0.927	0.913	0.908
pde-charn	0.935	0.938	0.930
pde-ent	0.935	0.938	0.931
Plant78	0.727	0.711	0.711
pyrococcus_furiosus	0.804	0.786	0.787
Saccharomyces_cerevisiae	0.873	0.873	0.872
scene	0.487	0.286	0.288
simpleRC	0.598	0.320	0.320
simpleHS	0.633	0.627	0.627
SLASHDOT-F	0.593	0.847	0.847
stackex.chemistry	0.800	0.736	0.736
stackex.chess	0.774	0.729	0.729
tmc2007-500_sub_0	0.667	0.517	0.517
yeast	0.521	0.408	0.407

Table 29: Mean value for: Tversky-LossA0.5B0.5

	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
Azotobacter_vinelandii	0.261	0.236	0.236
birds	0.147	0.157	0.156
Caenorhabditis_elegans	0.195	0.174	0.174
Drosophila_melanogaster	0.184	0.178	0.178
ellipse-charn	0.004	0.010	0.009
ellipse-ent	0.005	0.010	0.008
emotions	0.240	0.241	0.240
exon	0.222	0.338	0.338
equinox-charn	0.003	0.003	0.003
equinox-ent	0.003	0.003	0.003
flags	0.204	0.252	0.249
genbase	0.190	0.268	0.268
Geobacter_sulfurreducens	0.141	0.162	0.163
Haemophilus_influenzae	0.195	0.282	0.282
Human3160	0.280	0.285	0.285
lucene-charn	0.000	0.000	0.000
lucene-ent	0.000	0.000	0.000
minifling	0.302	0.278	0.278
nylva-charn	0.007	0.029	0.015
nylva-ent	0.007	0.014	0.012
pde-charn	0.002	0.006	0.006
pde-ent	0.002	0.005	0.005
Plant78	0.259	0.302	0.303
pyrococcus_furiosus	0.191	0.217	0.217
Saccharomyces_cerevisiae	0.167	0.147	0.147
scene	0.189	0.164	0.164
simpleRC	0.315	0.208	0.208
simpleHS	0.407	0.476	0.476
SLASHDOT-F	0.424	0.344	0.344
stackex.chemistry	0.199	0.206	0.206
stackex.chess	0.205	0.209	0.209
tmc2007-500_sub_0	0.174	0.164	0.164
yeast	0.269	0.259	0.258

Table 30: Mean value for: Ranking Loss

	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
Azotobacter_vinelandii	0.887	0.896	0.896
birds	0.899	0.745	0.744
Caenorhabditis_elegans	0.878	0.864	0.864
Drosophila_melanogaster	0.878	0.754	0.756
ellipse-charn	0.948	0.860	0.857
ellipse-ent	0.947	0.839	0.806
emotions	0.455	0.414	0.412
exon	0.925	0.912	0.912
equinox-charn	0.915	0.915	0.915
equinox-ent	0.915	0.915	0.915
flags	0.444	0.449	0.449
genbase	0.943	0.838	0.838
Geobacter_sulfurreducens	0.827	0.744	0.757
Haemophilus_influenzae	0.822	0.883	0.883
Human3160	0.901	0.809	0.807
lucene-charn	0.981	0.981	0.981
lucene-ent	0.981	0.981	0.981
minifling	0.616	0.450	0.449
nylva-charn	0.929	0.919	0.882
nylva-ent	0.937	0.910	0.878
pde-charn	0.964	0.903	0.871
pde-ent	0.962	0.903	0.873
Plant78	0.860	0.821	0.822
pyrococcus_furiosus	0.848	0.830	0.827
Saccharomyces_cerevisiae	0.904	0.897	0.897
scene	0.627	0.269	0.270
simpleRC	0.715	0.121	0.121
simpleHS	0.758	0.756	0.756
SLASHDOT-F	0.944	0.817	0.818
stackex.chemistry	0.881	0.733	0.733
stackex.chess	0.865	0.719	0.719
tmc2007-500_sub_0	0.837	0.731	0.731
yeast	0.659	0.589	0.589

Table 31: Mean value for: MacroPrecisionM

	PairWise	PairWise-FCMR-N	PairWise-FCMR-W
<i>Azotobacter_vinelandii</i>	0.000	0.439	0.439
birds	0.183	0.551	0.548
<i>Cnemidohabditis_elegans</i>	0.031	0.672	0.672
<i>Drosophila_melanogaster</i>	0.019	0.299	0.298
ellipse-churn	0.230	0.402	0.362
ellipse-ent	0.160	0.358	0.338
emotions	0.155	0.223	0.223
etron	0.281	0.254	0.254
equinox-churn	0.640	0.640	0.640
equinox-ent	0.640	0.640	0.640
flags	0.154	0.248	0.221
genbase	0.278	0.584	0.584
<i>Geobacter_sulfurreducens</i>	0.075	0.485	0.485
<i>Halorculis_marismortui</i>	0.119	0.112	0.112
Human3160	0.197	0.580	0.594
lucene-churn	0.800	0.800	0.800
lucene-ent	0.800	0.800	0.800
minifling	0.144	0.344	0.344
nylva-churn	0.320	0.425	0.501
nylvs-ent	0.335	0.605	0.619
pde-churn	0.480	0.240	0.240
pde-ent	0.440	0.260	0.260
Plant978	0.520	0.509	0.509
<i>pyrococcus_furiosus</i>	0.075	0.242	0.251
<i>Saccharomyces_cerevisiae</i>	0.110	0.204	0.201
scene	0.030	0.257	0.257
simpleHC	0.281	0.509	0.510
simpleHS	0.095	0.134	0.134
SLASHDOT-F	0.152	0.610	0.610
stackex.chemistry	0.166	0.514	0.514
stackex.cbase	0.167	0.520	0.520
tmc2007-500.snh.0	0.068	0.485	0.486
yeast	0.092	0.341	0.344

Table 32: Mean value for: MacroRecallM

	PairWise	PairWise-FCMR-N	PairWise-FCMR-W
<i>Azotobacter_vinelandii</i>	0.800	0.845	0.845
birds	0.830	0.731	0.730
<i>Cnemidohabditis_elegans</i>	0.789	0.853	0.853
<i>Drosophila_melanogaster</i>	0.785	0.705	0.706
ellipse-churn	0.911	0.824	0.738
ellipse-ent	0.909	0.806	0.775
emotions	0.345	0.346	0.344
etron	0.880	0.882	0.882
equinox-churn	0.877	0.877	0.877
equinox-ent	0.877	0.877	0.877
flags	0.383	0.380	0.364
genbase	0.904	0.824	0.824
<i>Geobacter_sulfurreducens</i>	0.736	0.717	0.722
<i>Halorculis_marismortui</i>	0.739	0.739	0.739
Human3160	0.835	0.772	0.770
lucene-churn	0.966	0.966	0.966
lucene-ent	0.966	0.966	0.966
minifling	0.475	0.416	0.416
nylva-churn	0.901	0.915	0.887
nylvs-ent	0.913	0.915	0.890
pde-churn	0.836	0.873	0.826
pde-ent	0.918	0.873	0.836
Plant978	0.778	0.770	0.771
<i>pyrococcus_furiosus</i>	0.761	0.758	0.760
<i>Saccharomyces_cerevisiae</i>	0.826	0.828	0.828
scene	0.467	0.269	0.269
simpleHC	0.594	0.377	0.377
simpleHS	0.632	0.632	0.632
SLASHDOT-F	0.899	0.818	0.819
stackex.chemistry	0.794	0.680	0.681
stackex.cbase	0.772	0.697	0.697
tmc2007-500.snh.0	0.738	0.687	0.687
yeast	0.551	0.517	0.517

Table 33: Mean value for: Macro Tversky A0.5 B0.5

	PairWise	PairWise-FCMR-N	PairWise-FCMR-W
<i>Azotobacter_vinelandii</i>	0.797	0.804	0.804
birds	0.838	0.735	0.733
<i>Cnemidohabditis_elegans</i>	0.789	0.814	0.814
<i>Drosophila_melanogaster</i>	0.784	0.749	0.749
ellipse-churn	0.897	0.844	0.828
ellipse-ent	0.899	0.847	0.814
emotions	0.346	0.346	0.344
etron	0.830	0.858	0.858
equinox-churn	0.844	0.844	0.844
equinox-ent	0.844	0.844	0.844
flags	0.341	0.285	0.281
genbase	0.909	0.963	0.963
<i>Geobacter_sulfurreducens</i>	0.763	0.708	0.709
<i>Halorculis_marismortui</i>	0.747	0.790	0.790
Human3160	0.794	0.657	0.658
lucene-churn	0.964	0.964	0.964
lucene-ent	0.964	0.964	0.964
minifling	0.485	0.431	0.431
nylva-churn	0.897	0.888	0.875
nylvs-ent	0.897	0.840	0.822
pde-churn	0.915	0.921	0.904
pde-ent	0.915	0.919	0.907
Plant978	0.727	0.710	0.711
<i>pyrococcus_furiosus</i>	0.770	0.746	0.747
<i>Saccharomyces_cerevisiae</i>	0.837	0.831	0.831
scene	0.485	0.282	0.283
simpleHC	0.592	0.371	0.371
simpleHS	0.619	0.612	0.613
SLASHDOT-F	0.892	0.839	0.839
stackex.chemistry	0.787	0.697	0.697
stackex.cbase	0.763	0.684	0.684
tmc2007-500.snh.0	0.659	0.535	0.535
yeast	0.509	0.395	0.395

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_LossA0.5B0.5_PairWise	Tversky_LossA0.5B0.5_PairWise_FCMK_N	Tversky_LossA0.5B0.5_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	0.489	0.489	1.000	0.995	0.995	0.831	0.854	0.854	0.261	0.236	0.236	0.887	0.896	0.896	0.896	0.000	0.439
birds	0.510	0.140	0.141	1.000	0.951	0.951	0.856	0.787	0.787	0.157	0.156	0.156	0.899	0.745	0.745	0.744	0.183	0.251
Caeonorbahditis_elegans	0.846	0.285	0.285	1.000	0.887	0.887	0.831	0.794	0.794	0.195	0.174	0.174	0.878	0.864	0.864	0.864	0.031	0.072
Drosophila_melanogaster	0.861	0.506	0.506	0.999	0.998	0.998	0.830	0.822	0.822	0.184	0.178	0.178	0.878	0.754	0.754	0.756	0.019	0.299
eclipse-churn	0.898	0.529	0.477	1.000	0.992	0.984	0.914	0.886	0.886	0.094	0.010	0.009	0.948	0.860	0.860	0.837	0.230	0.402
eclipse-ent	0.941	0.529	0.453	1.000	0.996	0.980	0.918	0.887	0.873	0.005	0.010	0.008	0.947	0.839	0.839	0.806	0.160	0.358
emotions	0.282	0.258	0.256	0.881	0.862	0.857	0.365	0.367	0.366	0.240	0.241	0.240	0.455	0.412	0.412	0.412	0.155	0.223
enron	0.596	0.712	0.712	1.000	0.832	1.000	0.856	0.856	0.856	0.338	0.222	0.338	0.925	0.912	0.925	0.912	0.283	0.254
equinox-churn	0.915	0.915	0.915	1.000	0.862	1.000	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	1.000	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	0.432	0.330	0.329	0.989	0.938	0.923	0.356	0.296	0.296	0.204	0.252	0.204	0.444	0.449	0.449	0.449	0.154	0.248
grubosic	0.925	0.410	0.410	1.000	0.903	1.000	0.903	0.963	0.963	0.190	0.298	0.298	0.943	0.838	0.838	0.775	0.254	0.284
Geobacter_sulfurreducens	0.698	0.309	0.311	1.000	0.966	0.968	0.799	0.767	0.768	0.141	0.162	0.163	0.827	0.744	0.744	0.757	0.075	0.485
Halosarcus_matisoffii	0.682	0.759	0.759	1.000	0.718	1.000	0.815	0.778	0.815	0.195	0.282	0.282	0.883	0.883	0.883	0.883	0.119	0.112
Human3160	0.618	0.205	0.205	1.000	0.982	0.982	0.796	0.656	0.657	0.280	0.285	0.285	0.901	0.809	0.809	0.807	0.157	0.280
lucene-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
lucene-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	0.402	0.246	0.246	0.994	0.758	0.758	0.484	0.487	0.487	0.302	0.275	0.275	0.616	0.449	0.449	0.449	0.144	0.244
mylyn-churn	0.761	0.684	0.529	0.999	0.995	0.993	0.927	0.931	0.923	0.007	0.020	0.015	0.929	0.919	0.929	0.882	0.320	0.425
mylyn-ent	0.760	0.359	0.311	0.999	0.979	0.968	0.927	0.913	0.908	0.007	0.014	0.012	0.937	0.919	0.937	0.878	0.065	0.335
pds-churn	0.708	0.883	0.728	1.000	0.983	0.997	0.935	0.938	0.930	0.002	0.006	0.006	0.964	0.903	0.903	0.871	0.480	0.240
pds-ent	0.770	0.867	0.730	1.000	0.938	1.000	0.935	0.938	0.931	0.002	0.005	0.005	0.952	0.903	0.903	0.873	0.440	0.260
Plant978	0.428	0.273	0.274	1.000	0.995	0.995	0.727	0.711	0.711	0.259	0.302	0.302	0.860	0.821	0.821	0.822	0.220	0.509
pyrococcus_ferrous	0.750	0.584	0.582	1.000	0.984	1.000	0.787	0.787	0.787	0.191	0.217	0.217	0.848	0.830	0.830	0.827	0.075	0.242
Saccharomyces_cerevisiae	0.785	0.675	0.676	1.000	0.998	1.000	0.873	0.873	0.872	0.167	0.147	0.147	0.904	0.897	0.897	0.897	0.110	0.204
scene	0.327	0.104	0.105	0.998	0.450	0.454	0.487	0.298	0.296	0.189	0.164	0.164	0.927	0.869	0.869	0.869	0.030	0.257
simpleHC	0.400	0.111	0.111	1.000	0.670	0.670	0.598	0.320	0.320	0.308	0.208	0.208	0.715	0.121	0.121	0.121	0.281	0.599
simpleHS	0.686	0.650	0.651	1.000	1.000	1.000	0.633	0.627	0.627	0.407	0.476	0.476	0.758	0.756	0.756	0.756	0.095	0.134
SLASHDOT-F	0.883	0.269	0.269	1.000	0.883	1.000	0.847	0.847	0.847	0.344	0.344	0.344	0.944	0.817	0.817	0.818	0.610	0.610
stackex.chemistry	0.447	0.165	0.165	1.000	0.971	0.971	0.756	0.756	0.756	0.199	0.206	0.206	0.881	0.735	0.735	0.735	0.166	0.214
stackex.chess	0.489	0.177	0.177	1.000	0.973	0.973	0.774	0.729	0.729	0.205	0.209	0.209	0.865	0.719	0.719	0.719	0.167	0.220
tmc2007-500.sub.0	0.384	0.182	0.182	1.000	0.982	0.982	0.517	0.517	0.517	0.174	0.164	0.164	0.837	0.731	0.731	0.731	0.088	0.485
ysnet	0.580	0.315	0.315	1.000	0.980	0.980	0.521	0.408	0.407	0.269	0.259	0.258	0.659	0.589	0.589	0.589	0.092	0.341

Table 35: Combined Mean values

	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
Azotobacter_vinelandii	3.000	1.000	2.000
birds	3.000	1.000	2.000
Caeenorhabditis_elegans	3.000	1.500	1.500
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	2.000	1.000
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	1.000	2.000
lucene-churn	2.000	2.000	2.000
lucene-ent	2.000	2.000	2.000
stallion	3.000	2.000	1.000
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
Pima78	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_snh.0	3.000	2.000	1.000
ysnet	3.000	2.000	1.000

Table 36: Ranks for: Hamming Loss

	PairWise	PairWise-FCMK-N	PairWise-FCMK-W
Azotobacter_vinelandii	3.000	1.500	1.500
birds	3.000	1.500	1.500
Caeenorhabditis_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	2.000	2.000	2.000
Pima78	3.000	1.500	1.500
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	2.000	2.000	2.000
stackex_chemistry	3.000	1.500	1.500
stackex_chess	3.000	1.500	1.500
tmc2007-500_snh.0	3.000	1.500	1.500
ysnet	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	1.500	1.500
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	1.000	3.000	2.000
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
Geobacter-sulfurreducens	3.000	1.000	2.000
Haemaphys.martenseni	1.000	2.500	2.500
Human3160	3.000	1.000	2.000
lucene-churn	2.000	2.000	2.000
lucene-ent	2.000	2.000	2.000
minilng	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
Plant78	3.000	1.000	2.000
pyrococcus.furiosus	3.000	1.000	2.000
Saccharomyces.cerevisiae	3.000	2.000	1.000
scene	3.000	1.000	2.000
simpleRC	3.000	1.000	2.000
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.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	3.000	2.000
Caenorhabditis.elegans	3.000	1.500	1.500
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	2.000	3.000	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
Geobacter-sulfurreducens	1.000	2.000	3.000
Haemaphys.martenseni	1.000	2.500	2.500
Human3160	1.000	2.000	3.000
lucene-churn	2.000	2.000	2.000
lucene-ent	2.000	2.000	2.000
minilng	3.000	2.000	1.000
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
Plant78	1.000	2.000	3.000
pyrococcus.furiosus	1.000	3.000	2.000
Saccharomyces.cerevisiae	3.000	1.000	2.000
scene	3.000	1.000	2.000
simpleRC	3.000	1.000	2.000
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	1.000	3.000	2.000
tmc2007-500.ssh.0	3.000	1.000	2.000
yeast	3.000	2.000	1.000

Table 39: Ranks for: RankingLoss

	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	1.500	1.500
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	3.000	1.000	2.000
equinox-churn	2.000	2.000	2.000
equinox-ent	2.000	2.000	2.000
flags	1.000	2.000	3.000
genbase	3.000	1.500	1.500
Geobacter-sulfurreducens	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
minilng	3.000	2.000	1.000
nylva-churn	3.000	2.000	1.000
nylva-ent	3.000	2.000	1.000
pde-churn	3.000	2.000	1.000
pds-ent	3.000	2.000	1.000
Plant78	3.000	1.000	2.000
pyrococcus.furiosus	3.000	2.000	1.000
Saccharomyces.cerevisiae	3.000	2.000	1.000
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	1.000	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	2.500	2.500
birds	1.000	3.000	2.000
<i>Caenorhabditis.elegans</i>	1.000	2.500	2.500
<i>Drosophila.melanogaster</i>	1.000	3.000	2.000
ellipse-churn	1.000	3.000	2.000
ellipse-ent	1.000	3.000	2.000
emotions	1.000	2.500	2.500
etron	3.000	1.500	1.500
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	2.500	2.500
<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	2.000	3.000
pde-churn	3.000	1.500	1.500
pde-ent	3.000	1.500	1.500
Plant978	1.000	2.500	2.500
<i>pyrococcus.furiosus</i>	1.000	2.000	3.000
<i>Saccharomyces.cerevisiae</i>	1.000	3.000	2.000
scene	1.000	2.000	3.000
simpleHC	1.000	2.000	3.000
simpleHS	1.000	2.000	3.000
SLASHDOT-F	1.000	2.500	2.500
stackex.chemistry	1.000	2.500	2.500
stackex.cases	1.000	2.500	2.500
tmc2007-500.snh.0	1.000	2.000	3.000
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	2.000	1.000
<i>Caenorhabditis.elegans</i>	1.000	2.500	2.500
<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
emotions	2.000	3.000	1.000
etron	1.000	3.000	3.000
equinox-churn	2.000	2.000	2.000
equinox-ent	2.000	2.000	1.000
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	2.000	3.000	1.000
nyltya-ent	2.000	3.000	1.000
pde-churn	3.000	2.000	1.000
pde-ent	3.000	2.000	1.000
Plant978	3.000	1.000	2.000
<i>pyrococcus.furiosus</i>	3.000	1.000	2.000
<i>Saccharomyces.cerevisiae</i>	3.000	2.000	1.000
scene	3.000	1.000	2.000
simpleHC	3.000	1.000	2.000
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	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	2.000	3.000
birds	3.000	2.000	1.000
<i>Caenorhabditis.elegans</i>	1.000	2.500	2.500
<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
emotions	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	1.000	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
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	3.000	1.000	2.000
<i>pyrococcus.furiosus</i>	3.000	1.000	2.000
<i>Saccharomyces.cerevisiae</i>	3.000	2.000	1.000
scene	3.000	1.000	2.000
simpleHC	3.000	1.000	2.000
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