Table 1: *Here is a caption.*

Dataset	Optimized parameters of EE					Classification algorithms					
	Approach	Fuser	Grain	Focus	af.	EE	DT	kNN	SVC	NB	MLP
				— **imb-IRhigherThan9p1** —							
ecoli-0-1-3-7-vs-2-6	brute	equal	8	3.0	1	0.989	0.965	0.993	0.975	0.943	0.982
ecoli4	brute	theta	16	4.0	1	0.979	0.958	0.979	0.940	0.815	0.940
glass-0-1-6-vs-2	brute	equal	32	1.0	1	0.828	0.828	0.901	0.912	0.427	0.906
glass-0-1-6-vs-5	purified	equal	8	4.0	1	0.897	0.957	0.951	0.951	0.978	0.951
glass2	purified	theta	8	4.0	2	0.832	0.864	0.892	0.921	0.457	0.921
glass4	brute	equal	32	4.0	1	0.958	0.949	0.967	0.958	0.897	0.939
glass5	purified	equal	8	4.0	1	0.916	0.991	0.963	0.958	0.972	0.958
page-blocks-1-3-vs-4	random	equal	32	1.0	1	0.858	0.992	0.955	0.941	0.930	0.799
shuttle-c0-vs-c4	brute	equal	8	1.0	1	1.000	1.000	0.999	0.940	0.997	0.998
shuttle-c2-vs-c4	brute	equal	8	1.0	1	1.000	1.000	0.961	0.954	0.992	0.961
vowel0	purified	theta	8	3.0	4	0.963	0.982	0.995	0.997	0.939	0.997
yeast-0-5-6-7-9-vs-4	purified	equal	8	4.0	1	0.898	0.860	0.917	0.903	0.134	0.905
yeast-1-2-8-9-vs-7	random	theta	8	4.0	4	0.967	0.942	0.967	0.968	0.117	0.968
yeast-1-4-5-8-vs-7	brute	equal	8	4.0	4	0.935	0.915	0.955	0.957	0.133	0.957
yeast-1-vs-7	brute	equal	32	1.0	1	0.902	0.893	0.937	0.935	0.259	0.935
yeast-2-vs-4	brute	equal	8	3.0	3	0.955	0.944	0.959	0.901	0.239	0.909
yeast-2-vs-8	brute	equal	8	4.0	4	0.963	0.956	0.979	0.977	0.389	0.977
yeast4	brute	equal	8	4.0	4	0.952	0.952	0.965	0.966	0.168	0.966
yeast5	random	equal	8	4.0	2	0.975	0.983	0.985	0.970	0.671	0.974
yeast6	brute	equal	8	4.0	4	0.957	0.966	0.980	0.976	0.316	0.976
				— **imb-IRhigherThan9p2** —							
ecoli-0-1-4-6-vs-5	random	equal	16	4.0	1	0.975	0.929	0.982	0.929	0.943	0.932
ecoli-0-1-4-7-vs-2-3-5-6	purified	equal	8	3.0	3	0.944	0.944	0.973	0.914	0.932	0.929
ecoli-0-1-4-7-vs-5-6	random	theta	8	3.0	3	0.958	0.952	0.973	0.925	0.952	0.949
ecoli-0-1-vs-2-3-5	purified	equal	16	4.0	2	0.963	0.918	0.967	0.902	0.926	0.955
ecoli-0-1-vs-5	random	equal	16	4.0	4	0.979	0.958	0.983	0.917	0.933	0.908
ecoli-0-2-3-4-vs-5	purified	equal	8	3.0	1	0.950	0.946	0.970	0.901	0.677	0.891
ecoli-0-2-6-7-vs-3-5	purified	theta	8	4.0	1	0.942	0.938	0.955	0.902	0.893	0.893
ecoli-0-3-4-6-vs-5	purified	theta	8	4.0	4	0.946	0.937	0.976	0.902	0.771	0.932
ecoli-0-3-4-7-vs-5-6	brute	theta	8	4.0	3	0.934	0.934	0.969	0.903	0.755	0.914
ecoli-0-3-4-vs-5	brute	equal	8	2.0	1	0.970	0.945	0.975	0.900	0.750	0.935
ecoli-0-4-6-vs-5	random	theta	16	4.0	1	0.975	0.936	0.980	0.901	0.897	0.956
ecoli-0-6-7-vs-3-5	brute	theta	8	4.0	1	0.946	0.955	0.964	0.901	0.883	0.883
ecoli-0-6-7-vs-5	random	theta	8	4.0	1	0.959	0.955	0.968	0.909	0.886	0.886
glass-0-1-4-6-vs-2	random	equal	8	2.0	1	0.795	0.883	0.898	0.917	0.434	0.917
glass-0-1-5-vs-2	brute	theta	32	1.0	2	0.832	0.820	0.895	0.901	0.452	0.901
glass-0-4-vs-5	purified	equal	32	4.0	3	0.935	0.989	0.967	0.923	0.989	0.913
glass-0-6-vs-5	brute	equal	16	4.0	1	0.944	0.981	0.945	0.935	0.981	0.917
led7digit-0-2-4-5-6-7-8-9-vs-1	brute	equal	8	1.0	1	0.876	0.966	0.932	0.968	0.880	0.966
yeast-0-2-5-6-vs-3-7-8-9	brute	equal	8	4.0	3	0.923	0.892	0.937	0.902	0.915	0.904
yeast-0-2-5-7-9-vs-3-6-8	purified	equal	8	4.0	1	0.948	0.945	0.969	0.901	0.246	0.909
yeast-0-3-5-9-vs-7-8	brute	theta	8	4.0	4	0.907	0.864	0.911	0.905	0.202	0.901
				— **imb-IRlowerThan9** —							
ecoli-0-vs-1	random	theta	32	3.0	1	0.982	0.968	0.986	0.964	0.945	0.959
ecoli1	random	theta	16	3.0	1	0.872	0.887	0.929	0.863	0.653	0.881
ecoli2	random	theta	8	4.0	2	0.902	0.905	0.967	0.845	0.351	0.896
ecoli3	random	theta	8	2.0	1	0.922	0.893	0.928	0.896	0.771	0.899
glass-0-1-2-3-vs-4-5-6	random	theta	8	1.0	1	0.920	0.934	0.916	0.944	0.902	0.657
glass0	brute	equal	32	1.0	1	0.860	0.785	0.762	0.743	0.631	0.589
glass1	random	theta	32	1.0	1	0.776	0.757	0.786	0.771	0.603	0.575
glass6	brute	equal	16	4.0	1	0.930	0.935	0.949	0.963	0.944	0.832
iris0	brute	equal	8	1.0	1	1.000	1.000	1.000	1.000	1.000	1.000
new-thyroid1	random	theta	16	2.0	1	0.972	0.967	0.953	0.888	0.972	0.753
new-thyroid2	brute	equal	32	4.0	2	0.972	0.958	0.953	0.884	0.977	0.809
pima	random	equal	8	3.0	2	0.768	0.702	0.721	0.651	0.756	0.641
wisconsin	brute	theta	16	3.0	1	0.975	0.937	0.972	0.965	0.965	0.966
yeast1	brute	equal	32	4.0	1	0.705	0.718	0.739	0.720	0.321	0.759
yeast3	purified	equal	8	3.0	4	0.930	0.931	0.947	0.890	0.311	0.935
				— **imb-multiclass** —							
balance	brute	equal	16	4.0	1	0.637	0.765	0.830	0.901	0.893	0.944
contraceptive	brute	theta	16	1.0	4	0.535	0.485	0.521	0.570	0.471	0.544
ecoli	purified	equal	8	1.0	2	0.821	0.750	0.816	0.426	0.601	0.795
glass	brute	theta	32	2.0	2	0.645	0.682	0.650	0.673	0.429	0.350
hayes-roth	brute	theta	8	1.0	1	0.773	0.840	0.644	0.848	0.719	0.636
new-thyroid	brute	equal	32	4.0	2	0.958	0.940	0.930	0.749	0.963	0.553
pageblocks	brute	equal	32	1.0	1	0.885	0.951	0.938	0.901	0.918	0.722
shuttle	brute	equal	32	1.0	1	0.920	0.997	0.992	0.830	0.903	0.993
thyroid	brute	equal	8	3.0	4	0.921	0.985	0.925	0.925	0.174	0.925
wine	brute	equal	16	3.0	2	0.972	0.921	0.691	0.438	0.983	0.314
yeast	brute	equal	8	3.0	1	0.494	0.481	0.559	0.423	0.146	0.574