Table 1: Average F_1 scores (higher is better) over all data sets.

noise configuration	Li&Ma tree	Li&Ma thresh.	Menon PK/F1	Menon CK/F1	Menon CU/F1	Mithal CU/G	default F1
$p_- = 0.5$, $p_+ = 0.1$	0.414 ± 0.049	0.408 ± 0.050	0.417 ± 0.051	$\mathbf{0.424 \pm 0.049}$	0.262 ± 0.046	0.333 ± 0.051	0.112 ± 0.000
$p_- = 0.5$, $p_+ = 0.25$	0.330 ± 0.071	0.327 ± 0.059	0.336 ± 0.066	$\mathbf{0.339 \pm 0.062}$	0.184 ± 0.037	0.234 ± 0.057	0.112 ± 0.000
$p_- = 0.2$, $p_+ = 0.2$	0.482 ± 0.037	0.485 ± 0.044	0.498 ± 0.041	$\mathbf{0.510 \pm 0.035}$	0.408 ± 0.044	0.429 ± 0.051	0.169 ± 0.036
$p_- = 0.4$, $p_+ = 0.4$	0.281 ± 0.061	0.280 ± 0.067	0.294 ± 0.069	$\mathbf{0.298 \pm 0.068}$	0.172 ± 0.039	0.185 ± 0.047	0.112 ± 0.000
$p_- = 0.1$, $p_+ = 0.3$	0.497 ± 0.041	0.499 ± 0.039	0.512 ± 0.034	$\mathbf{0.525 \pm 0.032}$	0.466 ± 0.043	0.461 ± 0.052	0.402 ± 0.045
$p_- = 0.3$, $p_+ = 0.1$	0.482 ± 0.039	0.480 ± 0.046	0.490 ± 0.041	$\mathbf{0.501 \pm 0.037}$	0.371 ± 0.042	0.405 ± 0.045	0.114 ± 0.002
overall average	0.414 ± 0.050	0.413 ± 0.051	0.425 ± 0.050	$\mathbf{0.433 \pm 0.047}$	0.310 ± 0.042	0.341 ± 0.050	0.170 ± 0.014

Table 2: Average f_α scores (higher is better) over all data sets.

noise configuration	Li&Ma tree	Li&Ma thresh.	Menon PK/F1	Menon CK/F1	Menon CU/F1	Mithal CU/G	default F1
$p_- = 0.5,\ p_+ = 0.1$	6.988 ± 1.121	$\mathbf{7.161 \pm 1.068}$	6.987 ± 1.093	7.156 ± 1.085	5.570 ± 1.270	6.611 ± 1.264	2.790 ± 0.900
$p_- = 0.5,\ p_+ = 0.25$	3.543 ± 1.172	3.853 ± 1.172	3.832 ± 1.204	$\mathbf{3.882 \pm 1.161}$	2.696 ± 1.072	3.150 ± 1.236	1.746 ± 0.855
$p_- = 0.2,\ p_+ = 0.2$	12.438 ± 1.159	$\mathbf{12.789 \pm 1.129}$	12.588 ± 1.189	12.761 ± 1.086	12.014 ± 1.225	12.246 ± 1.339	7.022 ± 1.434
$p_- = 0.4,\ p_+ = 0.4$	2.682 ± 0.968	2.903 ± 1.148	2.900 ± 1.168	$\mathbf{2.937 \pm 1.117}$	2.270 ± 1.161	2.250 ± 1.252	1.654 ± 1.013
$p_- = 0.1,\ p_+ = 0.3$	14.750 ± 1.207	$\mathbf{15.057 \pm 1.200}$	14.828 ± 1.202	14.898 ± 1.214	14.736 ± 1.232	14.601 ± 1.286	12.866 ± 1.379
$p_- = 0.3,\ p_+ = 0.1$	11.536 ± 0.970	$\mathbf{11.910 \pm 1.088}$	11.656 ± 1.129	11.892 ± 1.053	10.660 ± 1.214	11.271 ± 1.234	4.882 ± 1.095
overall average	8.656 ± 1.100	$\mathbf{8.946 \pm 1.134}$	8.798 ± 1.164	8.921 ± 1.119	7.991 ± 1.196	8.355 ± 1.269	5.160 ± 1.113

Table 3: Average accuracy (higher is better) over all data sets.

noise configuration	Li&Ma tree	Li&Ma thresh.	Menon PK/acc.	Menon CK/acc.	Menon CU/acc.	Mithal CU/G	Yao CU/acc.	default acc.
$p_- = 0.5,\ p_+ = 0.1$	0.785 ± 0.091	0.762 ± 0.123	0.911 ± 0.020	$\mathbf{0.946 \pm 0.007}$	0.738 ± 0.071	0.597 ± 0.111	0.401 ± 0.094	0.401 ± 0.094
$p_- = 0.5,\ p_+ = 0.25$	0.757 ± 0.152	0.728 ± 0.153	0.903 ± 0.022	$\mathbf{0.928 \pm 0.016}$	0.671 ± 0.096	0.507 ± 0.137	0.433 ± 0.101	0.433 ± 0.101
$p_- = 0.2,\ p_+ = 0.2$	0.813 ± 0.059	0.794 ± 0.089	0.933 ± 0.010	0.954 ± 0.004	0.894 ± 0.027	0.730 ± 0.091	$\mathbf{0.954 \pm 0.004}$	0.954 ± 0.004
$p_- = 0.4,\ p_+ = 0.4$	0.723 ± 0.161	0.684 ± 0.185	0.903 ± 0.021	$\mathbf{0.911 \pm 0.021}$	0.715 ± 0.092	0.458 ± 0.129	0.911 ± 0.021	0.911 ± 0.021
$p_- = 0.1,\ p_+ = 0.3$	0.818 ± 0.058	0.802 ± 0.069	0.938 ± 0.008	$\mathbf{0.954 \pm 0.003}$	0.924 ± 0.015	0.772 ± 0.096	0.949 ± 0.003	0.949 ± 0.003
$p_- = 0.3,\ p_+ = 0.1$	0.823 ± 0.054	0.802 ± 0.094	0.928 ± 0.012	$\mathbf{0.953 \pm 0.003}$	0.862 ± 0.035	0.691 ± 0.099	0.950 ± 0.006	0.950 ± 0.006
overall average	0.786 ± 0.096	0.762 ± 0.119	0.920 ± 0.016	$\mathbf{0.941 \pm 0.009}$	0.801 ± 0.056	0.626 ± 0.111	0.766 ± 0.038	0.766 ± 0.038

TABLE 4: AVERAGE F_1 SCORES (HIGHER IS BETTER) PER DATA SET.

	p_-	p_+	LI&MA TREE	LI&MA THRESH.	MENON PK/F1	MENON CK/F1	MENON CU/F1	MITHAL CU/G	DEFAULT F1
ABALONE	0.5	0.1	.351 ± .068	.344 ± .050	.374 ± .019	**.374 ± .015**	.227 ± .059	.243 ± .045	.171 ± .000
	0.5	0.25	.262 ± .079	.251 ± .061	.290 ± .061	**.291 ± .063**	.194 ± .025	.207 ± .043	.171 ± .000
	0.2	0.2	.360 ± .026	.370 ± .034	.397 ± .017	**.405 ± .014**	.320 ± .050	.360 ± .047	.195 ± .027
	0.4	0.4	.215 ± .033	.221 ± .050	**.250 ± .048**	.249 ± .050	.185 ± .016	.193 ± .022	.171 ± .000
	0.1	0.3	.367 ± .021	.367 ± .019	.391 ± .014	**.405 ± .011**	.357 ± .018	.380 ± .020	.369 ± .016
	0.3	0.1	.393 ± .020	.379 ± .022	.392 ± .015	**.402 ± .015**	.306 ± .060	.333 ± .069	.172 ± .001
	0.5	0.1	.013 ± .008	**.020 ± .013**	.016 ± .006	.014 ± .008	.015 ± .000	.015 ± .001	.015 ± .000
ABALONE-19	0.5	0.25	**.017 ± .012**	.017 ± .013	.015 ± .010	.013 ± .009	.015 ± .001	.015 ± .001	.015 ± .000
	0.2	0.2	.013 ± .007	.014 ± .007	**.016 ± .006**	.011 ± .008	.016 ± .001	.016 ± .002	.015 ± .000
	0.4	0.4	**.019 ± .005**	.015 ± .011	.013 ± .010	.011 ± .008	.015 ± .001	.015 ± .001	.015 ± .000
	0.1	0.3	**.020 ± .008**	.018 ± .012	.017 ± .010	.016 ± .009	.015 ± .001	.016 ± .001	.016 ± .001
	0.3	0.1	.015 ± .004	.012 ± .006	.014 ± .007	.011 ± .009	.015 ± .001	**.015 ± .001**	.015 ± .000
ARRHYTHMIA	0.5	0.1	.106 ± .019	.116 ± .042	**.128 ± .050**	.120 ± .052	.110 ± .005	.111 ± .015	.105 ± .000
	0.5	0.25	.106 ± .014	.107 ± .047	**.115 ± .055**	.107 ± .046	.107 ± .004	.110 ± .013	.105 ± .000
	0.2	0.2	.181 ± .089	.188 ± .070	**.218 ± .078**	.210 ± .079	.132 ± .020	.129 ± .024	.120 ± .015
	0.4	0.4	.097 ± .029	.099 ± .033	.105 ± .046	.107 ± .042	**.107 ± .006**	.105 ± .013	.105 ± .001
	0.1	0.3	.198 ± .077	.215 ± .076	**.274 ± .088**	.261 ± .072	.183 ± .062	.147 ± .039	.212 ± .068
	0.3	0.1	.121 ± .022	.159 ± .046	.177 ± .041	**.179 ± .062**	.116 ± .008	.120 ± .013	.108 ± .004
CAR-EVAL-34	0.5	0.1	**.535 ± .039**	.455 ± .099	.515 ± .075	.520 ± .069	.200 ± .045	.264 ± .073	.144 ± .000
	0.5	0.25	.298 ± .108	.249 ± .066	**.306 ± .092**	.301 ± .103	.163 ± .018	.182 ± .034	.144 ± .001
	0.2	0.2	.738 ± .012	.729 ± .051	.731 ± .054	**.742 ± .046**	.583 ± .105	.676 ± .100	.223 ± .065
	0.4	0.4	**.244 ± .093**	.216 ± .056	.233 ± .091	.229 ± .082	.159 ± .017	.168 ± .020	.144 ± .001
	0.1	0.3	.756 ± .041	.768 ± .035	**.772 ± .030**	.768 ± .033	.691 ± .080	.739 ± .122	.742 ± .031
	0.3	0.1	**.730 ± .046**	.702 ± .056	.706 ± .057	.709 ± .045	.470 ± .150	.511 ± .173	.148 ± .005
CAR-EVAL-4	0.5	0.1	**.278 ± .179**	.251 ± .144	.268 ± .127	.273 ± .126	.082 ± .010	.100 ± .036	.073 ± .000
	0.5	0.25	.140 ± .114	.127 ± .086	**.144 ± .088**	.134 ± .086	.079 ± .007	.086 ± .014	.073 ± .000
	0.2	0.2	.587 ± .114	.562 ± .126	.567 ± .103	**.608 ± .087**	.142 ± .071	.370 ± .230	.079 ± .005
	0.4	0.4	.107 ± .059	.107 ± .047	**.129 ± .071**	.126 ± .071	.079 ± .007	.084 ± .008	.073 ± .000
	0.1	0.3	.588 ± .114	.646 ± .107	.650 ± .071	**.681 ± .082**	.409 ± .157	.537 ± .233	.509 ± .132
	0.3	0.1	.529 ± .111	.495 ± .172	.545 ± .122	**.564 ± .114**	.102 ± .024	.172 ± .082	.074 ± .002
COIL-2000	0.5	0.1	.115 ± .002	.122 ± .010	**.143 ± .020**	.142 ± .021	.122 ± .009	.117 ± .006	.113 ± .000
	0.5	0.25	.111 ± .003	.117 ± .007	**.121 ± .016**	.118 ± .014	.115 ± .002	.114 ± .003	.113 ± .000
	0.2	0.2	.122 ± .008	.130 ± .012	.183 ± .013	**.200 ± .013**	.169 ± .017	.150 ± .017	.113 ± .001
	0.4	0.4	.106 ± .012	.114 ± .014	.111 ± .027	.107 ± .027	**.114 ± .002**	.113 ± .003	.113 ± .000
	0.1	0.3	.140 ± .016	.141 ± .018	.195 ± .015	**.215 ± .011**	.186 ± .017	.174 ± .024	.136 ± .012
	0.3	0.1	.118 ± .006	.130 ± .014	.174 ± .015	**.186 ± .016**	.157 ± .013	.137 ± .011	.113 ± .000
ECOLI	0.5	0.1	**.393 ± .157**	.378 ± .116	.392 ± .102	.379 ± .096	.198 ± .012	.241 ± .043	.190 ± .003
	0.5	0.25	**.309 ± .166**	.290 ± .118	.298 ± .139	.294 ± .141	.194 ± .009	.216 ± .028	.189 ± .003
	0.2	0.2	**.557 ± .072**	.492 ± .107	.517 ± .071	.534 ± .064	.343 ± .120	.298 ± .097	.267 ± .092
	0.4	0.4	**.297 ± .146**	.248 ± .093	.248 ± .107	.252 ± .123	.192 ± .006	.202 ± .020	.190 ± .002
	0.1	0.3	**.542 ± .096**	.506 ± .073	.524 ± .058	.521 ± .066	.471 ± .073	.343 ± .116	.496 ± .089
	0.3	0.1	**.536 ± .127**	.470 ± .091	.497 ± .090	.502 ± .080	.248 ± .063	.253 ± .045	.196 ± .018
ISOLET	0.5	0.1	.655 ± .039	.672 ± .025	**.674 ± .026**	.674 ± .026	.460 ± .077	.644 ± .065	.143 ± .000
	0.5	0.25	.425 ± .085	.408 ± .096	**.483 ± .067**	.475 ± .077	.221 ± .031	.251 ± .081	.143 ± .000
	0.2	0.2	.736 ± .020	.752 ± .018	.744 ± .018	**.755 ± .017**	.697 ± .029	.749 ± .016	.190 ± .046
	0.4	0.4	.235 ± .018	.286 ± .066	**.363 ± .048**	.357 ± .053	.191 ± .024	.200 ± .029	.143 ± .000
	0.1	0.3	.748 ± .019	.754 ± .021	.753 ± .021	**.759 ± .018**	.735 ± .023	.756 ± .019	.723 ± .028
	0.3	0.1	.735 ± .015	.748 ± .017	.744 ± .020	**.752 ± .016**	.660 ± .036	.750 ± .017	.143 ± .001
LETTER-IMG	0.5	0.1	.783 ± .017	.798 ± .025	**.802 ± .023**	.801 ± .023	.632 ± .117	.781 ± .104	.071 ± .000
	0.5	0.25	.655 ± .079	.703 ± .054	.702 ± .063	**.703 ± .063**	.233 ± .151	.463 ± .265	.071 ± .000
	0.2	0.2	.807 ± .009	.855 ± .013	.854 ± .012	**.855 ± .013**	.822 ± .038	.854 ± .012	.071 ± .000
	0.4	0.4	.517 ± .071	.579 ± .100	.599 ± .074	**.601 ± .070**	.181 ± .120	.226 ± .173	.071 ± .000
	0.1	0.3	.798 ± .010	.858 ± .014	**.859 ± .013**	.858 ± .013	.846 ± .023	.858 ± .014	.692 ± .062
	0.3	0.1	.812 ± .013	.847 ± .014	.849 ± .015	**.849 ± .015**	.816 ± .031	.848 ± .014	.071 ± .000
LIBRAS-MOVE	0.5	0.1	.219 ± .071	.204 ± .065	.225 ± .116	**.235 ± .120**	.128 ± .005	.151 ± .025	.126 ± .001
	0.5	0.25	**.170 ± .069**	.150 ± .051	.160 ± .086	.160 ± .078	.127 ± .003	.137 ± .012	.125 ± .001
	0.2	0.2	.408 ± .108	.388 ± .130	.438 ± .111	**.441 ± .105**	.204 ± .093	.187 ± .048	.174 ± .060
	0.4	0.4	.150 ± .047	.185 ± .085	.185 ± .091	**.190 ± .097**	.130 ± .006	.141 ± .011	.126 ± .002
	0.1	0.3	**.500 ± .145**	.409 ± .130	.455 ± .108	.452 ± .110	.382 ± .131	.254 ± .084	.402 ± .131
	0.3	0.1	.364 ± .146	.397 ± .142	**.422 ± .120**	.417 ± .115	.151 ± .029	.176 ± .039	.132 ± .010
MAMMOGRAPHY	0.5	0.1	**.549 ± .012**	.530 ± .051	.519 ± .057	.524 ± .064	.164 ± .097	.235 ± .184	.045 ± .000
	0.5	0.25	**.469 ± .029**	.413 ± .099	.427 ± .062	.437 ± .061	.078 ± .056	.105 ± .090	.045 ± .000
	0.2	0.2	.595 ± .025	.618 ± .020	.612 ± .026	**.621 ± .020**	.486 ± .079	.531 ± .182	.046 ± .000
	0.4	0.4	.385 ± .058	.346 ± .116	.370 ± .083	**.389 ± .064**	.062 ± .032	.071 ± .024	.045 ± .000
	0.1	0.3	.615 ± .023	.623 ± .024	.623 ± .020	**.625 ± .027**	.558 ± .055	.619 ± .032	.152 ± .106
	0.3	0.1	.581 ± .027	.610 ± .025	.597 ± .034	**.613 ± .023**	.411 ± .144	.470 ± .211	.046 ± .000
OIL	0.5	0.1	**.253 ± .104**	.196 ± .086	.219 ± .092	.213 ± .086	.087 ± .003	.101 ± .016	.084 ± .000
	0.5	0.25	**.150 ± .102**	.128 ± .052	.131 ± .048	.129 ± .049	.086 ± .003	.089 ± .004	.084 ± .000
	0.2	0.2	.318 ± .075	.289 ± .090	**.350 ± .086**	.348 ± .085	.116 ± .025	.119 ± .025	.090 ± .008
	0.4	0.4	**.119 ± .031**	.110 ± .034	.119 ± .041	.110 ± .038	.085 ± .002	.091 ± .005	.084 ± .000
	0.1	0.3	.388 ± .037	.319 ± .080	.380 ± .048	**.399 ± .047**	.219 ± .072	.172 ± .098	.191 ± .071
	0.3	0.1	.343 ± .121	.303 ± .125	.335 ± .103	**.350 ± .086**	.103 ± .030	.124 ± .035	.085 ± .001
OPTICAL-DIGITS	0.5	0.1	.812 ± .008	.810 ± .012	**.821 ± .017**	.818 ± .017	.682 ± .109	.812 ± .017	.180 ± .000
	0.5	0.25	.685 ± .062	.708 ± .039	**.720 ± .032**	.714 ± .033	.368 ± .114	.564 ± .190	.180 ± .000
	0.2	0.2	.836 ± .020	.851 ± .014	**.852 ± .014**	.851 ± .013	.840 ± .014	.849 ± .015	.484 ± .151
	0.4	0.4	.533 ± .119	.564 ± .093	**.614 ± .060**	.607 ± .059	.288 ± .080	.324 ± .070	.180 ± .000
	0.1	0.3	.818 ± .027	.855 ± .013	.856 ± .014	.855 ± .013	.849 ± .014	**.856 ± .013**	.842 ± .013
	0.3	0.1	.840 ± .014	.850 ± .015	**.853 ± .014**	.851 ± .016	.835 ± .020	.849 ± .017	.181 ± .002
OZONE-LEVEL	0.5	0.1	.089 ± .026	.088 ± .035	**.103 ± .042**	.101 ± .051	.058 ± .003	.062 ± .004	.056 ± .000
	0.5	0.25	.066 ± .038	.075 ± .036	**.079 ± .040**	.074 ± .041	.058 ± .003	.060 ± .006	.056 ± .000
	0.2	0.2	.143 ± .053	.113 ± .050	**.148 ± .061**	.145 ± .053	.073 ± .014	.068 ± .008	.057 ± .001
	0.4	0.4	.062 ± .028	.078 ± .032	**.083 ± .047**	.077 ± .046	.058 ± .003	.061 ± .008	.056 ± .000
	0.1	0.3	.176 ± .056	.137 ± .045	.186 ± .041	**.192 ± .053**	.111 ± .028	.087 ± .031	.091 ± .021
	0.3	0.1	.133 ± .045	.113 ± .048	.151 ± .050	**.153 ± .055**	.067 ± .009	.069 ± .016	.056 ± .000
PEN-DIGITS	0.5	0.1	**.933 ± .018**	.928 ± .016	.930 ± .017	.930 ± .017	.904 ± .039	.931 ± .016	.175 ± .000
	0.5	0.25	.864 ± .032	.868 ± .034	**.869 ± .036**	.867 ± .035	.705 ± .110	.791 ± .132	.175 ± .000
	0.2	0.2	**.959 ± .006**	.957 ± .006	.956 ± .006	.957 ± .006	.956 ± .007	.957 ± .006	.731 ± .117
	0.4	0.4	.785 ± .052	.804 ± .057	.804 ± .051	**.809 ± .050**	.619 ± .159	.722 ± .128	.175 ± .000
	0.1	0.3	**.963 ± .006**	.959 ± .005	.959 ± .005	.959 ± .004	.959 ± .005	.959 ± .005	.954 ± .007
	0.3	0.1	**.960 ± .007**	.954 ± .006	.954 ± .006	.955 ± .005	.951 ± .007	.954 ± .006	.176 ± .000
PROTEIN-HOMO	0.5	0.1	.784 ± .002	.784 ± .005	.679 ± .079	.769 ± .077	.423 ± .129	**.785 ± .004**	.018 ± .000
	0.5	0.25	.767 ± .011	.773 ± .009	.660 ± .157	.752 ± .084	.370 ± .129	**.774 ± .009**	.018 ± .000
	0.2	0.2	.792 ± .002	.795 ± .004	.658 ± .059	.795 ± .004	.573 ± .070	**.795 ± .004**	.018 ± .000
	0.4	0.4	**.756 ± .016**	.756 ± .019	.658 ± .164	.729 ± .108	.344 ± .175	.564 ± .309	.018 ± .000
	0.1	0.3	**.795 ± .003**	.795 ± .004	.622 ± .059	.795 ± .003	.598 ± .055	.794 ± .003	.018 ± .000
	0.3	0.1	.791 ± .002	.791 ± .005	.659 ± .051	**.794 ± .004**	.508 ± .080	.792 ± .004	.018 ± .000
SATIMAGE	0.5	0.1	.567 ± .011	.578 ± .018	.587 ± .013	**.587 ± .014**	.395 ± .099	.510 ± .084	.177 ± .000
	0.5	0.25	.489 ± .046	.503 ± .051	.528 ± .036	**.534 ± .027**	.232 ± .043	.370 ± .110	.177 ± .000
	0.2	0.2	.580 ± .011	.597 ± .012	.608 ± .013	**.610 ± .009**	.561 ± .022	.600 ± .013	.265 ± .056
	0.4	0.4	.433 ± .104	.417 ± .088	.467 ± .056	**.475 ± .053**	.218 ± .026	.258 ± .049	.177 ± .000
	0.1	0.3	.572 ± .013	.591 ± .019	.610 ± .011	**.615 ± .011**	.587 ± .016	.608 ± .014	.567 ± .019
	0.3	0.1	.592 ± .006	.600 ± .014	.606 ± .014	**.608 ± .010**	.548 ± .023	.598 ± .014	.178 ± .001
SCENE	0.5	0.1	.166 ± .013	.157 ± .019	**.173 ± .024**	.162 ± .022	.142 ± .004	.144 ± .006	.137 ± .000
	0.5	0.25	.141 ± .014	.143 ± .015	**.143 ± .031**	.140 ± .030	.140 ± .003	.140 ± .005	.137 ± .000
	0.2	0.2	.169 ± .016	.165 ± .016	.217 ± .026	**.223 ± .019**	.161 ± .017	.163 ± .016	.139 ± .002
	0.4	0.4	.116 ± .040	.129 ± .039	.126 ± .045	.125 ± .049	**.140 ± .003**	.138 ± .008	.137 ± .000
	0.1	0.3	.179 ± .014	.165 ± .020	.207 ± .025	**.226 ± .027**	.176 ± .022	.171 ± .023	.168 ± .019
	0.3	0.1	.194 ± .016	.178 ± .022	.218 ± .027	**.226 ± .028**	.158 ± .014	.159 ± .014	.138 ± .001
SICK-EUTHYROID	0.5	0.1	.756 ± .034	.804 ± .022	.803 ± .027	**.806 ± .021**	.488 ± .179	.721 ± .143	.170 ± .000
	0.5	0.25	.567 ± .182	.655 ± .112	.678 ± .080	**.679 ± .081**	.247 ± .086	.364 ± .142	.170 ± .000
	0.2	0.2	.830 ± .011	**.841 ± .011**	.839 ± .011	.840 ± .011	.825 ± .019	.840 ± .012	.287 ± .159
	0.4	0.4	.469 ± .179	.482 ± .199	**.529 ± .159**	.526 ± .158	.262 ± .125	.272 ± .127	.170 ± .001
	0.1	0.3	.830 ± .012	.843 ± .009	.844 ± .008	**.845 ± .009**	.836 ± .009	.844 ± .008	.833 ± .012
	0.3	0.1	.812 ± .027	.839 ± .013	.838 ± .013	**.841 ± .012**	.806 ± .033	.839 ± .013	.171 ± .003
SOLAR-FLARE-M0	0.5	0.1	**.170 ± .053**	.133 ± .044	.142 ± .038	.149 ± .044	.096 ± .006	.096 ± .009	.093 ± .001
	0.5	0.25	**.158 ± .064**	.122 ± .046	.131 ± .049	.128 ± .044	.093 ± .004	.095 ± .011	.093 ± .001
	0.2	0.2	.167 ± .051	.147 ± .056	.181 ± .064	**.186 ± .061**	.108 ± .016	.107 ± .022	.097 ± .005
	0.4	0.4	**.145 ± .073**	.124 ± .049	.135 ± .049	.132 ± .052	.093 ± .002	.094 ± .012	.093 ± .001
	0.1	0.3	.161 ± .039	.146 ± .044	.198 ± .046	**.199 ± .041**	.135 ± .038	.113 ± .018	.117 ± .018
	0.3	0.1	**.188 ± .043**	.143 ± .048	.181 ± .048	.179 ± .050	.109 ± .018	.105 ± .012	.094 ± .002
SPECTROMETER	0.5	0.1	**.545 ± .174**	.499 ± .176	.532 ± .146	.544 ± .134	.168 ± .012	.219 ± .061	.157 ± .002
	0.5	0.25	**.376 ± .176**	.356 ± .139	.365 ± .131	.364 ± .135	.165 ± .008	.182 ± .018	.157 ± .002
	0.2	0.2	.731 ± .049	.725 ± .105	.749 ± .083	**.753 ± .077**	.577 ± .165	.532 ± .169	.297 ± .118
	0.4	0.4	.308 ± .063	.305 ± .127	.322 ± .122	**.330 ± .128**	.164 ± .008	.181 ± .020	.158 ± .003
	0.1	0.3	.752 ± .093	.758 ± .085	.770 ± .081	**.773 ± .078**	.749 ± .082	.612 ± .231	.747 ± .072
	0.3	0.1	**.754 ± .049**	.733 ± .084	.743 ± .073	.745 ± .071	.373 ± .136	.453 ± .209	.166 ± .008
THYROID-SICK	0.5	0.1	.703 ± .052	.766 ± .028	.765 ± .030	**.772 ± .028**	.330 ± .123	.594 ± .207	.115 ± .000
	0.5	0.25	.535 ± .113	.584 ± .146	**.592 ± .145**	.587 ± .144	.172 ± .060	.273 ± .129	.115 ± .000
	0.2	0.2	.787 ± .013	**.818 ± .011**	.817 ± .009	.817 ± .010	.782 ± .029	.802 ± .081	.121 ± .011
	0.4	0.4	.354 ± .135	.409 ± .157	**.460 ± .136**	.456 ± .141	.182 ± .077	.180 ± .053	.115 ± .000
	0.1	0.3	.791 ± .022	**.817 ± .011**	.816 ± .010	.816 ± .010	.800 ± .019	.816 ± .013	.787 ± .022
	0.3	0.1	.780 ± .018	**.811 ± .013**	.807 ± .013	.809 ± .015	.736 ± .061	.809 ± .013	.116 ± .001
US-CRIME	0.5	0.1	**.445 ± .026**	.372 ± .088	.418 ± .067	.422 ± .054	.166 ± .026	.231 ± .080	.140 ± .000
	0.5	0.25	**.350 ± .042**	.258 ± .086	.280 ± .090	.279 ± .094	.147 ± .013	.163 ± .025	.140 ± .000
	0.2	0.2	**.512 ± .020**	.469 ± .048	.497 ± .027	.504 ± .026	.432 ± .051	.385 ± .103	.159 ± .027
	0.4	0.4	**.309 ± .079**	.222 ± .080	.246 ± .077	.241 ± .086	.150 ± .015	.159 ± .019	.140 ± .000
	0.1	0.3	**.508 ± .019**	.462 ± .036	.506 ± .021	.508 ± .022	.475 ± .034	.443 ± .082	.435 ± .035
	0.3	0.1	**.497 ± .033**	.473 ± .040	.489 ± .038	.495 ± .032	.387 ± .063	.402 ± .099	.141 ± .001
WEBPAGE	0.5	0.1	.541 ± .075	.602 ± .029	.574 ± .044	**.620 ± .018**	.520 ± .053	.591 ± .083	.055 ± .000
	0.5	0.25	.431 ± .173	.496 ± .058	.492 ± .059	**.525 ± .034**	.374 ± .093	.271 ± .154	.055 ± .000
	0.2	0.2	.568 ± .040	.659 ± .016	.623 ± .018	**.664 ± .013**	.650 ± .016	.654 ± .019	.055 ± .000
	0.4	0.4	**.474 ± .087**	.437 ± .078	.427 ± .057	.458 ± .049	.335 ± .120	.157 ± .109	.055 ± .000
	0.1	0.3	.525 ± .066	.665 ± .022	.623 ± .024	**.666 ± .020**	.660 ± .020	.660 ± .022	.275 ± .132
	0.3	0.1	.574 ± .052	.648 ± .023	.620 ± .026	**.658 ± .017**	.640 ± .019	.651 ± .020	.055 ± .000
WINE-QUALITY	0.5	0.1	.149 ± .046	.141 ± .054	.178 ± .040	**.185 ± .046**	.077 ± .006	.087 ± .015	.072 ± .000
	0.5	0.25	**.120 ± .039**	.098 ± .025	.120 ± .042	.111 ± .038	.075 ± .003	.077 ± .005	.072 ± .000
	0.2	0.2	.173 ± .055	.234 ± .076	.281 ± .043	**.294 ± .023**	.196 ± .066	.128 ± .054	.072 ± .001
	0.4	0.4	**.122 ± .036**	.096 ± .030	.110 ± .042	.105 ± .044	.075 ± .003	.076 ± .005	.072 ± .000
	0.1	0.3	.266 ± .030	.276 ± .054	.304 ± .021	**.318 ± .021**	.273 ± .047	.214 ± .078	.114 ± .044
	0.3	0.1	.222 ± .038	.238 ± .077	.272 ± .045	**.289 ± .024**	.135 ± .045	.112 ± .046	.072 ± .000
YEAST-ME2	0.5	0.1	.136 ± .047	.134 ± .068	.157 ± .060	**.170 ± .061**	.068 ± .002	.079 ± .015	.067 ± .000
	0.5	0.25	.103 ± .057	.098 ± .031	**.116 ± .042**	.110 ± .045	.068 ± .002	.075 ± .014	.067 ± .000
	0.2	0.2	.203 ± .072	.195 ± .080	.259 ± .060	**.261 ± .063**	.101 ± .033	.112 ± .041	.069 ± .003
	0.4	0.4	.094 ± .015	.085 ± .027	.119 ± .041	**.121 ± .051**	.069 ± .002	.072 ± .003	.067 ± .000
	0.1	0.3	.270 ± .088	.227 ± .078	.293 ± .050	**.302 ± .055**	.167 ± .065	.126 ± .058	.138 ± .053
	0.3	0.1	**.250 ± .052**	.191 ± .089	.246 ± .053	.242 ± .063	.081 ± .017	.086 ± .019	.067 ± .001
YEAST-ML8	0.5	0.1	**.142 ± .010**	.140 ± .008	.136 ± .012	.132 ± .016	.140 ± .004	.137 ± .005	.137 ± .000
	0.5	0.25	.132 ± .021	.134 ± .010	.119 ± .022	.118 ± .025	**.140 ± .003**	.138 ± .006	.137 ± .000
	0.2	0.2	.143 ± .004	.140 ± .003	**.145 ± .007**	.143 ± .007	.141 ± .004	.140 ± .005	.138 ± .001
	0.4	0.4	.137 ± .021	.132 ± .020	.117 ± .030	.112 ± .033	**.139 ± .004**	.135 ± .005	.137 ± .000
	0.1	0.3	.142 ± .004	.140 ± .003	**.143 ± .005**	.142 ± .006	.142 ± .005	.138 ± .004	.140 ± .003
	0.3	0.1	**.145 ± .007**	.142 ± .006	.141 ± .010	.138 ± .010	.141 ± .005	.139 ± .006	.138 ± .001

Table 5: Average f_α scores (higher is better) per data set.

Data set	p_-	p_+	Li&Ma tree	Li&Ma thresh.	Menon PK/F1	Menon CK/F1	Menon CU/F1	Mithal CU/G	default F1
abalone	0.5	0.1	5.846 ± 1.921	6.170 ± 1.277	**6.571 ± 1.120**	6.439 ± 1.077	5.508 ± 1.131	5.370 ± 1.262	4.646 ± 0.974
	0.5	0.25	3.199 ± 1.553	3.174 ± 1.075	3.150 ± 1.409	**3.419 ± 1.248**	3.052 ± 1.084	3.004 ± 1.033	2.853 ± 0.949
	0.2	0.2	11.657 ± 0.850	11.900 ± 1.380	**12.024 ± 1.156**	11.813 ± 0.851	11.444 ± 1.477	11.361 ± 1.506	9.689 ± 1.132
	0.4	0.4	1.908 ± 0.230	2.454 ± 1.016	2.520 ± 1.198	2.557 ± 1.148	2.503 ± 0.961	2.313 ± 0.975	**2.603 ± 1.193**
	0.1	0.3	14.951 ± 0.886	14.982 ± 1.331	14.597 ± 1.068	14.199 ± 1.207	14.962 ± 1.216	14.440 ± 1.301	**15.044 ± 1.214**
	0.3	0.1	10.408 ± 0.795	10.713 ± 1.268	**10.898 ± 1.091**	10.767 ± 1.018	10.137 ± 1.363	10.187 ± 1.681	8.011 ± 1.163
abalone-19	0.5	0.1	0.179 ± 0.223	0.363 ± 0.604	0.264 ± 0.376	0.341 ± 0.508	0.522 ± 0.595	**0.691 ± 0.699**	0.522 ± 0.600
	0.5	0.25	0.445 ± 0.731	0.302 ± 0.483	0.331 ± 0.480	0.347 ± 0.407	0.438 ± 0.544	0.438 ± 0.563	**0.453 ± 0.561**
	0.2	0.2	0.385 ± 0.581	1.219 ± 1.046	1.076 ± 0.864	1.171 ± 0.801	1.396 ± 0.964	**1.504 ± 1.037**	1.356 ± 1.174
	0.4	0.4	0.344 ± 0.769	0.615 ± 0.744	**0.821 ± 0.948**	0.765 ± 0.747	0.676 ± 0.886	0.566 ± 0.721	0.685 ± 0.893
	0.1	0.3	1.182 ± 0.628	1.402 ± 0.812	1.087 ± 0.768	1.237 ± 0.834	1.395 ± 0.916	**1.440 ± 0.772**	1.349 ± 0.875
	0.3	0.1	0.140 ± 0.314	0.793 ± 1.081	0.648 ± 0.910	0.841 ± 0.835	1.056 ± 1.009	0.906 ± 0.961	**1.080 ± 1.076**
arrhythmia	0.5	0.1	0.581 ± 0.798	**0.958 ± 1.053**	0.780 ± 1.103	0.751 ± 1.025	0.888 ± 1.031	0.852 ± 0.849	0.903 ± 0.993
	0.5	0.25	0.386 ± 0.421	0.485 ± 0.892	0.666 ± 0.992	0.678 ± 0.989	**0.721 ± 0.936**	0.704 ± 0.833	0.710 ± 0.896
	0.2	0.2	1.640 ± 1.285	2.494 ± 1.213	**2.723 ± 1.374**	2.416 ± 1.416	2.308 ± 1.303	2.062 ± 1.326	2.137 ± 1.252
	0.4	0.4	0.268 ± 0.448	0.686 ± 0.938	0.425 ± 0.816	0.469 ± 0.913	0.767 ± 0.934	0.625 ± 0.783	**0.775 ± 0.968**
	0.1	0.3	3.036 ± 1.131	2.848 ± 0.881	**3.120 ± 1.098**	2.656 ± 1.080	2.966 ± 0.870	2.437 ± 1.085	2.991 ± 0.968
	0.3	0.1	1.592 ± 1.157	1.561 ± 1.377	1.601 ± 1.282	1.546 ± 1.167	1.712 ± 1.115	1.492 ± 1.265	**1.735 ± 1.134**
car-eval-34	0.5	0.1	**4.611 ± 0.575**	4.241 ± 1.221	4.602 ± 1.050	4.547 ± 1.139	2.875 ± 1.027	3.074 ± 1.338	2.339 ± 0.885
	0.5	0.25	1.316 ± 0.756	1.714 ± 0.952	1.976 ± 0.823	**2.047 ± 0.986**	1.547 ± 1.018	1.526 ± 0.932	1.431 ± 0.866
	0.2	0.2	**11.426 ± 0.885**	11.270 ± 1.165	11.371 ± 1.166	11.326 ± 1.197	10.189 ± 1.401	10.566 ± 1.532	6.065 ± 1.318
	0.4	0.4	1.358 ± 0.802	1.636 ± 1.116	1.575 ± 1.154	**1.662 ± 1.250**	1.574 ± 1.281	1.391 ± 1.231	1.527 ± 1.140
	0.1	0.3	**13.950 ± 1.586**	13.447 ± 1.492	13.405 ± 1.380	13.167 ± 1.650	13.113 ± 1.784	13.048 ± 1.989	13.462 ± 1.498
	0.3	0.1	**10.263 ± 0.944**	9.863 ± 1.029	9.852 ± 1.038	9.965 ± 0.791	7.738 ± 1.488	7.585 ± 2.122	4.255 ± 1.235
car-eval-4	0.5	0.1	**1.998 ± 1.853**	1.851 ± 1.429	1.957 ± 1.217	1.898 ± 1.282	1.311 ± 0.947	1.075 ± 0.958	1.122 ± 0.858
	0.5	0.25	1.005 ± 1.444	0.922 ± 1.051	**1.165 ± 1.169**	0.976 ± 1.224	0.832 ± 0.842	0.663 ± 0.736	0.746 ± 0.786
	0.2	0.2	**6.720 ± 1.988**	6.353 ± 1.377	6.415 ± 1.419	6.632 ± 1.272	3.381 ± 1.827	4.928 ± 2.216	2.605 ± 1.292
	0.4	0.4	0.483 ± 0.852	0.990 ± 1.079	**1.025 ± 1.089**	0.876 ± 0.982	1.013 ± 1.011	0.956 ± 1.028	0.940 ± 0.975
	0.1	0.3	7.929 ± 1.995	8.340 ± 1.604	8.440 ± 1.453	**8.486 ± 1.618**	6.946 ± 1.904	7.392 ± 2.452	7.775 ± 1.643
	0.3	0.1	5.543 ± 1.441	5.438 ± 1.528	5.786 ± 1.466	**5.842 ± 1.478**	2.553 ± 1.126	2.894 ± 1.035	2.197 ± 1.205
coil-2000	0.5	0.1	**4.777 ± 1.204**	4.019 ± 1.169	3.562 ± 1.224	3.361 ± 1.267	4.394 ± 1.085	3.964 ± 1.098	4.526 ± 1.010
	0.5	0.25	2.235 ± 1.853	2.251 ± 1.212	1.961 ± 1.139	1.608 ± 1.062	2.667 ± 0.917	2.240 ± 1.096	**2.787 ± 0.956**
	0.2	0.2	8.813 ± 1.256	8.694 ± 1.229	8.185 ± 1.257	7.676 ± 0.945	8.594 ± 1.245	7.910 ± 1.254	**9.111 ± 1.072**
	0.4	0.4	2.106 ± 1.079	1.964 ± 1.301	1.656 ± 1.074	1.455 ± 1.161	2.222 ± 1.120	1.673 ± 0.986	**2.365 ± 1.071**
	0.1	0.3	11.331 ± 1.548	11.451 ± 1.264	11.295 ± 1.087	10.026 ± 1.082	11.387 ± 1.182	10.927 ± 1.355	**11.628 ± 1.101**
	0.3	0.1	7.448 ± 0.482	7.555 ± 1.115	7.178 ± 1.016	6.347 ± 1.048	7.454 ± 1.097	6.723 ± 1.205	**7.700 ± 0.937**
ecoli	0.5	0.1	1.929 ± 1.445	1.970 ± 1.196	**1.987 ± 1.241**	1.903 ± 1.248	1.702 ± 1.079	1.698 ± 0.953	1.591 ± 1.076
	0.5	0.25	1.117 ± 1.313	1.348 ± 1.286	1.433 ± 1.411	**1.443 ± 1.338**	1.167 ± 1.062	1.185 ± 1.185	1.101 ± 1.043
	0.2	0.2	**4.507 ± 0.897**	4.172 ± 1.662	4.249 ± 1.480	4.312 ± 1.443	3.658 ± 1.380	3.378 ± 1.203	3.306 ± 1.310
	0.4	0.4	**1.645 ± 1.595**	1.135 ± 0.932	1.322 ± 1.012	1.299 ± 1.035	1.144 ± 1.088	1.208 ± 1.058	1.090 ± 0.999
	0.1	0.3	**5.727 ± 1.350**	5.344 ± 1.197	5.419 ± 1.144	5.291 ± 1.244	5.304 ± 1.138	4.265 ± 1.316	5.304 ± 1.143
	0.3	0.1	**4.330 ± 1.683**	3.752 ± 1.234	3.906 ± 1.162	3.842 ± 1.232	2.535 ± 1.312	2.722 ± 1.075	2.663 ± 1.198
isolet	0.5	0.1	**13.405 ± 1.419**	13.287 ± 0.800	13.401 ± 0.895	13.384 ± 0.750	10.562 ± 1.318	12.934 ± 1.560	5.206 ± 0.858
	0.5	0.25	5.090 ± 0.921	5.661 ± 1.552	**6.618 ± 1.218**	6.149 ± 1.282	3.997 ± 1.066	4.204 ± 1.000	3.204 ± 0.800
	0.2	0.2	23.947 ± 1.397	24.121 ± 1.103	24.098 ± 1.089	**24.169 ± 1.098**	23.358 ± 1.183	23.975 ± 1.028	11.828 ± 1.446
	0.4	0.4	3.018 ± 0.969	3.669 ± 1.357	**4.164 ± 1.091**	3.976 ± 1.117	3.098 ± 1.149	3.005 ± 1.353	2.674 ± 1.093
	0.1	0.3	28.084 ± 0.986	**28.229 ± 1.029**	28.148 ± 1.051	28.021 ± 1.066	27.985 ± 1.110	27.998 ± 0.961	27.797 ± 1.164
	0.3	0.1	22.322 ± 0.569	22.538 ± 1.123	22.537 ± 1.027	**22.811 ± 1.030**	20.894 ± 1.161	22.714 ± 1.044	8.838 ± 0.953
letter-img	0.5	0.1	18.023 ± 0.702	**18.427 ± 0.787**	18.256 ± 0.756	18.356 ± 0.734	14.155 ± 2.014	18.006 ± 1.921	3.793 ± 0.956
	0.5	0.25	8.567 ± 1.634	**9.770 ± 1.438**	9.602 ± 1.646	9.642 ± 1.669	4.306 ± 1.847	6.813 ± 3.049	2.259 ± 0.923
	0.2	0.2	28.317 ± 1.283	30.062 ± 0.902	30.020 ± 0.939	**30.120 ± 0.889**	28.889 ± 1.492	30.055 ± 0.897	7.732 ± 0.910
	0.4	0.4	5.157 ± 1.306	6.352 ± 1.689	6.389 ± 1.476	**6.541 ± 1.431**	3.056 ± 1.478	3.315 ± 2.000	1.982 ± 0.822
	0.1	0.3	31.791 ± 1.565	33.939 ± 0.992	**33.965 ± 1.021**	33.953 ± 0.966	33.683 ± 1.150	33.885 ± 0.912	30.178 ± 1.612
	0.3	0.1	27.644 ± 0.701	28.914 ± 0.791	28.853 ± 0.894	28.937 ± 0.840	27.123 ± 1.401	**28.948 ± 0.840**	6.568 ± 0.893
libras-move	0.5	0.1	1.154 ± 0.708	1.126 ± 1.017	1.389 ± 0.989	**1.525 ± 1.008**	1.090 ± 0.985	1.104 ± 1.104	1.097 ± 0.966
	0.5	0.25	1.062 ± 0.649	0.935 ± 0.988	0.963 ± 1.012	**1.152 ± 1.040**	0.855 ± 0.917	0.798 ± 0.853	0.855 ± 0.923
	0.2	0.2	2.985 ± 1.399	2.922 ± 1.063	**3.159 ± 1.005**	3.136 ± 1.127	2.457 ± 1.191	2.243 ± 1.044	2.229 ± 1.004
	0.4	0.4	0.900 ± 0.959	1.197 ± 1.038	**1.323 ± 0.939**	1.250 ± 0.871	0.955 ± 0.946	0.819 ± 0.865	0.875 ± 0.849
	0.1	0.3	**4.335 ± 1.819**	3.998 ± 1.485	4.029 ± 1.411	3.982 ± 1.491	4.054 ± 1.268	3.093 ± 1.196	4.112 ± 1.284
	0.3	0.1	2.271 ± 0.914	2.953 ± 0.844	**3.005 ± 1.237**	2.835 ± 1.281	1.975 ± 0.813	2.101 ± 1.048	1.778 ± 1.025
mammography	0.5	0.1	**8.173 ± 0.950**	7.378 ± 1.209	7.351 ± 1.183	7.395 ± 1.226	3.421 ± 1.724	3.684 ± 2.590	1.765 ± 0.914
	0.5	0.25	**4.547 ± 1.051**	4.178 ± 1.811	4.209 ± 1.458	4.098 ± 1.433	1.742 ± 1.242	1.918 ± 1.391	1.133 ± 0.746
	0.2	0.2	13.068 ± 0.840	13.446 ± 0.823	13.258 ± 0.943	**13.495 ± 0.887**	11.644 ± 1.582	11.812 ± 3.609	4.046 ± 1.147
	0.4	0.4	**3.658 ± 1.359**	3.139 ± 1.820	3.220 ± 1.605	3.309 ± 1.719	1.288 ± 0.921	1.266 ± 1.174	1.062 ± 0.887
	0.1	0.3	**15.887 ± 0.818**	15.520 ± 1.176	15.739 ± 1.152	15.622 ± 1.246	15.139 ± 1.588	15.382 ± 1.164	8.343 ± 3.217
	0.3	0.1	11.712 ± 0.361	12.507 ± 0.814	12.107 ± 0.909	**12.528 ± 0.824**	9.780 ± 2.270	10.190 ± 3.745	3.254 ± 0.972
oil	0.5	0.1	0.991 ± 1.433	1.188 ± 1.055	**1.388 ± 1.080**	1.327 ± 1.184	0.931 ± 0.713	0.945 ± 0.766	0.921 ± 0.633
	0.5	0.25	**0.923 ± 1.307**	0.868 ± 0.900	0.783 ± 0.989	0.751 ± 1.047	0.636 ± 0.616	0.652 ± 0.520	0.627 ± 0.579
	0.2	0.2	3.598 ± 0.502	3.151 ± 1.048	3.608 ± 1.052	**3.655 ± 1.021**	2.276 ± 0.972	2.014 ± 0.900	2.268 ± 1.069
	0.4	0.4	0.461 ± 0.631	0.566 ± 0.746	0.662 ± 0.705	0.627 ± 0.734	0.728 ± 0.748	0.661 ± 0.795	**0.744 ± 0.738**
	0.1	0.3	**4.722 ± 0.764**	3.957 ± 1.259	4.384 ± 1.262	4.553 ± 1.238	3.533 ± 1.469	3.183 ± 1.119	3.482 ± 1.277
	0.3	0.1	2.779 ± 1.538	2.775 ± 1.275	**3.017 ± 1.341**	2.943 ± 1.163	1.832 ± 1.095	1.967 ± 1.069	1.808 ± 0.983
optical-digits	0.5	0.1	16.335 ± 0.612	16.337 ± 0.784	16.349 ± 0.869	**16.429 ± 0.861**	13.522 ± 2.021	16.311 ± 0.924	5.618 ± 0.979
	0.5	0.25	7.873 ± 1.048	8.774 ± 1.119	**8.954 ± 0.934**	8.909 ± 1.050	5.618 ± 1.523	7.126 ± 2.318	3.433 ± 0.979
	0.2	0.2	25.374 ± 1.007	26.116 ± 0.923	**26.195 ± 0.935**	26.158 ± 0.941	25.886 ± 0.821	26.115 ± 0.901	18.483 ± 3.159
	0.4	0.4	4.598 ± 0.931	5.345 ± 1.399	**6.095 ± 1.420**	6.018 ± 1.381	3.748 ± 1.426	3.770 ± 1.429	2.919 ± 1.157
	0.1	0.3	28.630 ± 0.534	29.695 ± 0.844	**29.724 ± 0.865**	29.677 ± 0.878	29.669 ± 0.900	29.593 ± 0.902	29.602 ± 0.867
	0.3	0.1	24.264 ± 0.558	**25.037 ± 0.655**	25.007 ± 0.603	24.997 ± 0.657	24.430 ± 0.756	25.006 ± 0.667	9.646 ± 1.013
ozone-level	0.5	0.1	0.844 ± 0.850	0.843 ± 0.951	0.989 ± 0.850	0.910 ± 1.033	**1.052 ± 0.858**	0.968 ± 0.861	1.033 ± 0.854
	0.5	0.25	**0.832 ± 0.843**	0.698 ± 0.793	0.561 ± 0.723	0.639 ± 0.911	0.728 ± 0.748	0.829 ± 0.781	0.701 ± 0.776
	0.2	0.2	2.151 ± 1.090	**2.714 ± 1.183**	2.601 ± 1.145	2.352 ± 1.284	2.509 ± 1.119	2.302 ± 1.266	2.547 ± 1.196
	0.4	0.4	0.646 ± 0.686	0.812 ± 0.750	0.827 ± 1.052	0.828 ± 1.117	**0.986 ± 0.980**	0.886 ± 0.825	0.912 ± 0.963
	0.1	0.3	**4.384 ± 1.842**	3.943 ± 1.478	4.050 ± 1.618	3.466 ± 1.607	4.111 ± 1.114	3.394 ± 1.132	4.039 ± 1.168
	0.3	0.1	2.334 ± 1.781	2.445 ± 1.183	**2.664 ± 1.223**	2.176 ± 1.209	1.896 ± 1.168	1.726 ± 1.193	1.954 ± 1.266
pen-digits	0.5	0.1	25.497 ± 0.848	25.651 ± 0.921	25.602 ± 0.988	25.607 ± 0.912	24.719 ± 1.249	**25.711 ± 0.887**	7.831 ± 1.066
	0.5	0.25	13.999 ± 0.803	**14.549 ± 1.190**	14.529 ± 1.237	14.548 ± 1.149	12.121 ± 1.835	13.280 ± 2.616	4.845 ± 1.017
	0.2	0.2	40.126 ± 0.785	**40.165 ± 0.818**	40.147 ± 0.809	40.145 ± 0.833	40.051 ± 0.850	40.150 ± 0.762	32.723 ± 3.912
	0.4	0.4	10.065 ± 0.977	10.785 ± 1.034	10.837 ± 0.944	**10.910 ± 0.972**	8.759 ± 1.925	9.798 ± 1.946	3.993 ± 0.984
	0.1	0.3	44.695 ± 0.631	**45.054 ± 1.099**	45.006 ± 1.092	45.005 ± 1.118	45.028 ± 1.129	44.990 ± 1.145	44.923 ± 1.028
	0.3	0.1	38.807 ± 0.613	38.811 ± 0.761	38.819 ± 0.831	**38.841 ± 0.827**	38.585 ± 0.880	38.817 ± 0.803	12.950 ± 0.911
protein-homo	0.5	0.1	23.983 ± 0.679	**24.520 ± 0.938**	20.473 ± 1.918	24.061 ± 1.855	14.113 ± 3.225	24.477 ± 0.906	2.637 ± 1.074
	0.5	0.25	13.970 ± 0.829	**14.740 ± 1.261**	12.593 ± 2.666	14.426 ± 1.767	8.109 ± 2.281	14.724 ± 1.235	1.700 ± 0.941
	0.2	0.2	37.105 ± 1.226	37.680 ± 0.993	31.864 ± 2.151	37.690 ± 0.934	28.979 ± 2.182	**37.712 ± 0.993**	4.986 ± 1.065
	0.4	0.4	10.541 ± 0.718	**11.499 ± 0.991**	9.994 ± 2.106	11.268 ± 1.209	6.122 ± 2.115	8.841 ± 4.544	1.442 ± 0.736
	0.1	0.3	41.377 ± 1.032	42.158 ± 1.281	35.879 ± 1.921	**42.199 ± 1.209**	35.226 ± 1.860	42.155 ± 1.224	6.623 ± 0.699
	0.3	0.1	35.843 ± 0.652	**36.309 ± 0.886**	29.878 ± 1.806	36.304 ± 0.865	24.788 ± 2.540	36.284 ± 0.868	4.524 ± 1.014
satimage	0.5	0.1	10.966 ± 1.340	11.610 ± 0.816	**11.704 ± 0.834**	11.648 ± 0.877	9.313 ± 1.720	10.438 ± 1.819	5.975 ± 0.891
	0.5	0.25	5.693 ± 0.954	6.513 ± 1.424	6.743 ± 1.278	**6.804 ± 1.167**	4.167 ± 0.888	5.198 ± 1.493	3.668 ± 0.880
	0.2	0.2	20.092 ± 1.013	19.934 ± 0.741	**20.167 ± 0.635**	20.105 ± 0.556	19.880 ± 0.627	19.940 ± 0.769	14.096 ± 1.927
	0.4	0.4	**5.224 ± 1.548**	4.405 ± 1.261	4.832 ± 1.254	4.747 ± 1.083	3.366 ± 0.960	3.578 ± 0.906	3.082 ± 1.111
	0.1	0.3	23.911 ± 1.023	23.807 ± 0.957	23.882 ± 0.951	23.801 ± 0.974	**23.944 ± 0.863**	23.625 ± 0.911	23.831 ± 0.917
	0.3	0.1	18.284 ± 1.239	18.373 ± 0.815	**18.708 ± 0.884**	18.610 ± 0.801	17.984 ± 0.843	18.439 ± 0.950	10.097 ± 0.927
scene	0.5	0.1	2.334 ± 1.088	2.574 ± 1.010	2.130 ± 1.037	1.912 ± 0.977	**2.697 ± 0.832**	2.467 ± 1.052	2.607 ± 0.798
	0.5	0.25	0.931 ± 0.874	1.446 ± 0.944	1.377 ± 1.065	1.257 ± 0.856	**1.575 ± 0.814**	1.484 ± 0.875	1.570 ± 0.818
	0.2	0.2	5.178 ± 1.137	5.442 ± 1.058	5.492 ± 1.381	4.824 ± 1.216	**5.585 ± 1.020**	4.802 ± 0.948	5.560 ± 1.071
	0.4	0.4	1.199 ± 1.317	1.445 ± 1.213	1.177 ± 0.968	1.306 ± 0.944	**1.702 ± 1.085**	1.407 ± 0.900	1.685 ± 1.131
	0.1	0.3	7.199 ± 1.205	7.225 ± 1.253	6.849 ± 1.202	6.239 ± 1.154	7.274 ± 1.213	6.384 ± 1.381	**7.367 ± 1.125**
	0.3	0.1	4.320 ± 0.852	4.732 ± 1.218	4.713 ± 1.249	4.489 ± 1.360	**4.909 ± 1.312**	4.523 ± 1.305	4.713 ± 1.187
sick-euthyroid	0.5	0.1	10.848 ± 1.009	11.249 ± 0.850	11.252 ± 0.914	**11.317 ± 1.026**	7.223 ± 2.594	10.090 ± 2.172	3.807 ± 0.819
	0.5	0.25	5.135 ± 2.065	5.559 ± 1.894	**5.724 ± 1.579**	5.667 ± 1.686	2.751 ± 1.117	3.619 ± 1.643	2.243 ± 0.812
	0.2	0.2	18.385 ± 1.409	**18.659 ± 1.100**	18.650 ± 1.032	18.587 ± 1.096	18.415 ± 1.044	18.615 ± 1.118	9.928 ± 2.805
	0.4	0.4	3.914 ± 1.470	3.775 ± 1.695	3.814 ± 1.630	**3.969 ± 1.759**	2.738 ± 1.575	2.580 ± 1.555	2.186 ± 1.089
	0.1	0.3	21.413 ± 0.673	21.423 ± 1.025	21.427 ± 1.013	**21.433 ± 1.074**	21.321 ± 1.141	21.417 ± 1.051	21.322 ± 1.066
	0.3	0.1	17.128 ± 0.732	17.717 ± 0.861	17.713 ± 0.785	**17.812 ± 0.782**	17.105 ± 0.956	17.766 ± 0.787	6.828 ± 1.202
solar-flare-m0	0.5	0.1	**2.025 ± 1.489**	1.653 ± 1.043	1.430 ± 1.348	1.575 ± 1.391	1.423 ± 0.768	1.324 ± 0.822	1.379 ± 0.774
	0.5	0.25	1.080 ± 0.585	**1.241 ± 1.226**	1.119 ± 0.810	1.083 ± 0.927	0.912 ± 0.761	0.750 ± 0.756	0.894 ± 0.742
	0.2	0.2	**3.592 ± 1.471**	2.912 ± 1.021	3.138 ± 1.049	2.920 ± 1.221	3.136 ± 1.151	2.762 ± 1.224	3.188 ± 1.237
	0.4	0.4	**1.706 ± 1.372**	1.185 ± 0.962	0.922 ± 0.779	0.939 ± 0.755	0.960 ± 0.723	1.132 ± 1.022	1.078 ± 0.884
	0.1	0.3	3.577 ± 1.522	3.792 ± 1.075	3.427 ± 1.207	3.336 ± 1.208	**3.995 ± 1.003**	3.672 ± 1.088	3.940 ± 1.072
	0.3	0.1	2.570 ± 1.354	2.424 ± 1.423	2.673 ± 1.368	2.638 ± 1.371	**2.677 ± 1.012**	2.313 ± 1.241	2.511 ± 1.055
spectrometer	0.5	0.1	2.220 ± 1.985	2.733 ± 1.678	**3.089 ± 1.568**	3.029 ± 1.371	1.557 ± 1.009	1.672 ± 0.902	1.477 ± 1.043
	0.5	0.25	0.719 ± 1.044	1.396 ± 0.927	**1.555 ± 1.053**	1.512 ± 1.042	1.023 ± 1.009	1.000 ± 0.746	0.983 ± 0.974
	0.2	0.2	6.479 ± 1.454	6.708 ± 1.343	6.968 ± 1.285	**6.981 ± 1.359**	6.021 ± 1.563	5.276 ± 1.963	4.188 ± 1.321
	0.4	0.4	0.968 ± 0.793	1.067 ± 1.011	1.189 ± 1.155	**1.218 ± 1.098**	1.002 ± 0.921	1.010 ± 0.784	1.022 ± 0.987
	0.1	0.3	7.422 ± 1.474	7.868 ± 1.476	7.948 ± 1.486	**7.984 ± 1.411**	7.874 ± 1.580	6.764 ± 2.201	7.874 ± 1.463
	0.3	0.1	6.173 ± 0.875	6.204 ± 1.137	6.215 ± 1.113	**6.262 ± 1.069**	3.933 ± 1.122	4.362 ± 1.574	2.585 ± 1.150
thyroid-sick	0.5	0.1	9.098 ± 1.514	10.175 ± 0.962	10.004 ± 0.850	**10.241 ± 0.882**	5.456 ± 1.702	8.048 ± 2.629	2.771 ± 1.022
	0.5	0.25	4.063 ± 2.404	**5.027 ± 1.678**	5.020 ± 1.880	4.884 ± 1.876	2.408 ± 1.115	3.062 ± 1.574	1.694 ± 1.006
	0.2	0.2	16.123 ± 0.972	**16.591 ± 0.902**	16.558 ± 0.901	16.577 ± 0.950	15.941 ± 0.738	16.308 ± 1.660	6.227 ± 1.269
	0.4	0.4	2.414 ± 1.069	3.289 ± 1.621	**3.497 ± 1.523**	3.451 ± 1.459	2.337 ± 1.357	2.010 ± 1.088	1.722 ± 1.221
	0.1	0.3	18.674 ± 1.123	18.865 ± 1.124	18.828 ± 1.149	**18.866 ± 1.152**	18.708 ± 1.122	18.835 ± 1.181	18.565 ± 1.090
	0.3	0.1	14.743 ± 0.672	**15.566 ± 0.661**	15.357 ± 0.828	15.448 ± 0.685	14.286 ± 1.262	15.517 ± 0.715	5.101 ± 1.298
us-crime	0.5	0.1	**4.608 ± 0.863**	3.664 ± 1.355	3.800 ± 1.390	3.943 ± 1.221	2.512 ± 0.757	2.666 ± 0.876	2.381 ± 0.768
	0.5	0.25	**2.916 ± 1.155**	1.603 ± 1.419	1.615 ± 1.433	1.548 ± 1.358	1.423 ± 0.844	1.216 ± 0.796	1.427 ± 0.786
	0.2	0.2	**9.155 ± 1.248**	8.280 ± 1.426	8.424 ± 1.487	8.432 ± 1.389	8.154 ± 1.369	6.913 ± 1.981	5.440 ± 1.049
	0.4	0.4	**1.951 ± 0.567**	1.533 ± 0.963	1.262 ± 1.081	1.258 ± 1.185	1.886 ± 1.169	1.535 ± 1.058	1.585 ± 1.136
	0.1	0.3	**10.818 ± 0.530**	10.107 ± 1.229	10.270 ± 1.296	9.890 ± 1.402	10.302 ± 1.277	9.107 ± 1.857	10.271 ± 1.109
	0.3	0.1	**7.941 ± 0.726**	7.553 ± 1.095	7.460 ± 1.271	7.411 ± 1.284	7.107 ± 1.049	6.694 ± 1.358	4.316 ± 1.230
webpage	0.5	0.1	13.653 ± 1.759	16.007 ± 1.066	14.919 ± 1.253	**16.115 ± 0.952**	14.066 ± 1.214	15.656 ± 2.249	4.041 ± 0.945
	0.5	0.25	6.434 ± 3.088	8.186 ± 1.244	7.988 ± 1.388	**8.248 ± 1.003**	6.673 ± 1.534	5.306 ± 2.377	2.475 ± 0.937
	0.2	0.2	23.179 ± 1.646	26.855 ± 1.202	26.085 ± 1.075	**27.113 ± 0.845**	26.815 ± 1.053	26.940 ± 1.117	7.740 ± 1.226
	0.4	0.4	**6.121 ± 1.029**	5.861 ± 1.436	5.740 ± 1.547	5.933 ± 1.245	4.987 ± 1.601	2.774 ± 1.795	1.987 ± 1.172
	0.1	0.3	26.037 ± 2.943	31.614 ± 1.229	30.843 ± 1.299	31.491 ± 1.249	**31.624 ± 1.200**	31.346 ± 1.327	20.801 ± 5.021
	0.3	0.1	22.380 ± 1.791	25.504 ± 0.740	24.354 ± 0.972	**25.545 ± 0.688**	24.813 ± 0.857	25.504 ± 0.728	6.656 ± 1.102
wine-quality	0.5	0.1	1.892 ± 1.167	1.985 ± 1.105	**2.067 ± 1.028**	1.994 ± 1.074	1.871 ± 1.006	1.792 ± 1.138	1.791 ± 0.995
	0.5	0.25	0.912 ± 0.806	0.884 ± 0.932	1.246 ± 0.871	**1.287 ± 0.965**	1.131 ± 0.870	0.998 ± 0.877	1.137 ± 0.866
	0.2	0.2	4.227 ± 1.552	5.213 ± 1.419	5.550 ± 1.340	**5.606 ± 0.852**	5.460 ± 1.407	3.871 ± 1.372	4.272 ± 1.280
	0.4	0.4	0.870 ± 1.015	0.838 ± 0.965	0.942 ± 0.904	0.744 ± 0.844	1.107 ± 1.072	1.029 ± 1.044	**1.137 ± 1.148**
	0.1	0.3	7.249 ± 1.126	7.252 ± 1.203	**7.730 ± 1.024**	7.433 ± 1.120	7.637 ± 1.038	6.332 ± 1.426	6.131 ± 1.369
	0.3	0.1	3.941 ± 1.539	4.809 ± 1.527	**5.064 ± 1.397**	4.853 ± 1.179	3.908 ± 1.427	3.213 ± 1.397	3.487 ± 1.246
yeast-me2	0.5	0.1	0.391 ± 0.661	1.076 ± 1.323	**1.375 ± 1.351**	1.264 ± 1.250	0.903 ± 0.870	0.928 ± 0.891	0.942 ± 0.761
	0.5	0.25	0.270 ± 0.604	0.551 ± 0.981	0.687 ± 0.905	**0.793 ± 0.942**	0.603 ± 0.704	0.725 ± 0.926	0.649 ± 0.713
	0.2	0.2	2.364 ± 1.282	2.766 ± 1.168	**3.006 ± 1.597**	2.819 ± 1.534	2.541 ± 1.009	2.359 ± 1.310	2.270 ± 0.938
	0.4	0.4	0.222 ± 0.245	0.464 ± 0.793	0.591 ± 0.705	0.578 ± 0.595	0.904 ± 0.941	0.910 ± 0.904	**0.922 ± 0.870**
	0.1	0.3	3.276 ± 1.100	3.316 ± 1.543	4.073 ± 1.329	**4.175 ± 1.276**	3.788 ± 1.188	2.984 ± 1.175	3.650 ± 1.191
	0.3	0.1	2.223 ± 1.023	2.245 ± 1.703	**2.849 ± 1.422**	2.823 ± 1.498	1.952 ± 1.185	1.408 ± 1.213	1.853 ± 1.041
yeast-ml8	0.5	0.1	2.317 ± 1.163	2.300 ± 1.212	1.955 ± 1.094	1.927 ± 1.160	2.609 ± 0.806	2.554 ± 0.900	**2.614 ± 0.799**
	0.5	0.25	0.956 ± 0.912	1.256 ± 0.981	0.904 ± 0.953	0.903 ± 0.917	1.575 ± 0.806	**1.583 ± 1.166**	1.576 ± 0.818
	0.2	0.2	5.244 ± 0.853	5.456 ± 1.174	4.848 ± 1.545	4.329 ± 1.371	5.400 ± 1.092	4.770 ± 1.219	**5.583 ± 1.143**
	0.4	0.4	0.660 ± 1.396	1.674 ± 1.135	1.471 ± 1.363	1.340 ± 1.398	1.650 ± 0.986	**1.703 ± 1.045**	1.674 ± 1.129
	0.1	0.3	6.674 ± 0.754	**6.972 ± 1.074**	6.804 ± 1.104	6.045 ± 1.223	6.904 ± 1.040	6.134 ± 1.106	6.967 ± 1.053
	0.3	0.1	4.078 ± 0.885	4.483 ± 1.222	3.834 ± 1.361	3.672 ± 1.439	4.662 ± 1.170	4.311 ± 1.426	**4.696 ± 1.137**

Table 6: Average accuracy (higher is better) per data set.

	p_-	p_+	Li&Ma tree	Li&Ma thresh.	Menon PK/acc.	Menon CK/acc.	Menon CU/acc.	Mithal CU/G	Yao CU/acc.	default acc.
abalone	0.5	0.1	.780 ± .090	.731 ± .102	.816 ± .031	**.904 ± .002**	.642 ± .137	.491 ± .158	.368 ± .104	.368 ± .104
	0.5	0.25	.576 ± .226	.543 ± .214	.828 ± .028	**.895 ± .008**	.532 ± .192	.403 ± .180	.391 ± .105	.391 ± .105
	0.2	0.2	.732 ± .047	.758 ± .053	.825 ± .016	**.905 ± .001**	.784 ± .026	.760 ± .072	**.905 ± .001**	**.905 ± .001**
	0.4	0.4	.448 ± .147	.450 ± .234	.838 ± .025	**.885 ± .013**	.545 ± .179	.384 ± .146	**.885 ± .013**	**.885 ± .013**
	0.1	0.3	.733 ± .046	.733 ± .037	.822 ± .015	.905 ± .001	.795 ± .022	.779 ± .037	**.906 ± .000**	.906 ± .000
	0.3	0.1	.797 ± .021	.774 ± .041	.820 ± .022	**.906 ± .001**	.763 ± .039	.697 ± .131	.880 ± .009	.880 ± .009
abalone-19	0.5	0.1	.675 ± .295	.644 ± .309	.933 ± .024	**.992 ± .001**	.498 ± .206	.282 ± .145	.471 ± .121	.471 ± .121
	0.5	0.25	.734 ± .260	.681 ± .263	.933 ± .024	**.988 ± .005**	.497 ± .206	.284 ± .166	.485 ± .121	.485 ± .121
	0.2	0.2	.644 ± .248	.495 ± .355	.939 ± .019	.992 ± .000	.658 ± .207	.308 ± .119	**.992 ± .000**	.992 ± .000
	0.4	0.4	.711 ± .130	.644 ± .299	.937 ± .025	**.981 ± .008**	.591 ± .201	.305 ± .118	**.981 ± .008**	**.981 ± .008**
	0.1	0.3	.426 ± .346	.389 ± .309	.950 ± .013	.992 ± .000	.825 ± .100	.256 ± .182	**.992 ± .000**	.992 ± .000
	0.3	0.1	.651 ± .152	.517 ± .352	.939 ± .019	**.992 ± .000**	.599 ± .183	.276 ± .124	.991 ± .001	.991 ± .001
arrhythmia	0.5	0.1	.366 ± .203	.532 ± .251	.844 ± .052	**.937 ± .013**	.484 ± .062	.376 ± .111	.427 ± .111	.427 ± .111
	0.5	0.25	.530 ± .239	.572 ± .260	.844 ± .053	**.881 ± .063**	.468 ± .056	.344 ± .113	.447 ± .117	.447 ± .117
	0.2	0.2	.674 ± .168	.615 ± .215	.881 ± .036	.941 ± .005	.785 ± .051	.417 ± .118	**.941 ± .005**	.941 ± .005
	0.4	0.4	.533 ± .147	.526 ± .210	**.853 ± .039**	.818 ± .083	.570 ± .045	.337 ± .106	.818 ± .083	.818 ± .083
	0.1	0.3	.641 ± .214	.631 ± .210	.895 ± .016	.941 ± .004	.865 ± .024	.509 ± .158	**.944 ± .002**	.944 ± .002
	0.3	0.1	.487 ± .188	.582 ± .216	.865 ± .030	**.943 ± .003**	.676 ± .057	.311 ± .150	.927 ± .017	.927 ± .017
car-eval-34	0.5	0.1	.903 ± .018	.858 ± .096	.901 ± .017	**.932 ± .004**	.665 ± .059	.623 ± .163	.435 ± .064	.435 ± .064
	0.5	0.25	.730 ± .208	.656 ± .169	.864 ± .025	**.917 ± .011**	.570 ± .066	.437 ± .135	.463 ± .068	.463 ± .068
	0.2	0.2	.953 ± .002	.954 ± .011	**.956 ± .010**	.939 ± .006	.919 ± .022	.938 ± .034	.939 ± .006	.939 ± .006
	0.4	0.4	.597 ± .247	.594 ± .199	.849 ± .030	**.880 ± .029**	.589 ± .052	.349 ± .125	**.880 ± .029**	**.880 ± .029**
	0.1	0.3	.954 ± .009	.960 ± .008	**.966 ± .005**	.942 ± .008	.953 ± .015	.947 ± .059	.926 ± .003	.926 ± .003
	0.3	0.1	.954 ± .016	.951 ± .011	.948 ± .011	.936 ± .005	.880 ± .031	.849 ± .123	**.957 ± .005**	**.957 ± .005**
car-eval-4	0.5	0.1	.819 ± .173	.786 ± .199	.887 ± .026	**.963 ± .001**	.570 ± .066	.362 ± .184	.462 ± .077	.462 ± .077
	0.5	0.25	.678 ± .334	.609 ± .273	.870 ± .027	**.951 ± .008**	.524 ± .056	.343 ± .149	.480 ± .078	.480 ± .078
	0.2	0.2	.952 ± .024	.951 ± .035	.944 ± .019	**.964 ± .002**	.844 ± .049	.793 ± .210	**.964 ± .002**	**.964 ± .002**
	0.4	0.4	.675 ± .313	.594 ± .216	.871 ± .028	**.918 ± .026**	.568 ± .043	.309 ± .117	.917 ± .026	.917 ± .026
	0.1	0.3	.953 ± .025	.964 ± .024	.959 ± .013	**.965 ± .003**	.920 ± .031	.906 ± .124	.962 ± .000	.962 ± .000
	0.3	0.1	.950 ± .017	.911 ± .143	.931 ± .023	.963 ± .001	.766 ± .069	.637 ± .230	**.971 ± .005**	**.971 ± .005**
coil-2000	0.5	0.1	.128 ± .055	.262 ± .170	.845 ± .028	**.940 ± .000**	.582 ± .131	.353 ± .115	.191 ± .068	.191 ± .068
	0.5	0.25	.266 ± .263	.325 ± .232	.870 ± .019	**.940 ± .001**	.532 ± .134	.339 ± .128	.262 ± .083	.262 ± .083
	0.2	0.2	.200 ± .094	.296 ± .122	.858 ± .019	**.940 ± .000**	.824 ± .050	.587 ± .142	**.940 ± .000**	**.940 ± .000**
	0.4	0.4	.337 ± .384	.337 ± .271	.883 ± .017	**.937 ± .001**	.656 ± .123	.346 ± .102	**.937 ± .001**	**.937 ± .001**
	0.1	0.3	.367 ± .140	.369 ± .165	.872 ± .014	.940 ± .000	.864 ± .022	.657 ± .162	**.940 ± .000**	**.940 ± .000**
	0.3	0.1	.150 ± .098	.293 ± .158	.849 ± .023	**.940 ± .000**	.781 ± .060	.524 ± .151	.940 ± .000	.940 ± .000
ecoli	0.5	0.1	.733 ± .122	.715 ± .192	.857 ± .039	**.876 ± .036**	.640 ± .088	.420 ± .162	.477 ± .096	.477 ± .096
	0.5	0.25	.542 ± .286	.686 ± .203	**.843 ± .041**	.806 ± .065	.593 ± .100	.375 ± .133	.485 ± .106	.484 ± .105
	0.2	0.2	.880 ± .030	.844 ± .103	.907 ± .017	**.911 ± .016**	.879 ± .035	.569 ± .211	**.911 ± .016**	**.911 ± .016**
	0.4	0.4	.528 ± .270	.633 ± .207	**.842 ± .041**	.764 ± .074	.659 ± .092	.409 ± .119	.764 ± .074	.764 ± .074
	0.1	0.3	.858 ± .050	.864 ± .061	.910 ± .018	.912 ± .015	.900 ± .026	.670 ± .220	**.913 ± .014**	**.913 ± .014**
	0.3	0.1	.855 ± .080	.840 ± .089	.898 ± .021	**.910 ± .013**	.844 ± .043	.496 ± .116	.874 ± .028	.874 ± .028
isolet	0.5	0.1	.946 ± .007	**.948 ± .006**	.930 ± .010	.925 ± .002	.795 ± .053	.938 ± .023	.356 ± .056	.356 ± .056
	0.5	0.25	.869 ± .049	.824 ± .122	.894 ± .022	**.924 ± .001**	.595 ± .072	.606 ± .173	.372 ± .060	.372 ± .060
	0.2	0.2	.954 ± .005	.960 ± .004	.957 ± .003	.935 ± .004	.943 ± .006	**.961 ± .003**	.935 ± .004	.935 ± .004
	0.4	0.4	.637 ± .082	.697 ± .128	.886 ± .019	**.924 ± .002**	.601 ± .069	.528 ± .093	**.924 ± .002**	**.924 ± .002**
	0.1	0.3	.955 ± .005	.959 ± .005	.961 ± .003	.937 ± .004	.956 ± .005	**.962 ± .004**	.923 ± .000	.923 ± .000
	0.3	0.1	.955 ± .004	.960 ± .003	.954 ± .005	.932 ± .003	.929 ± .010	.960 ± .003	**.961 ± .002**	**.961 ± .002**
letter-img	0.5	0.1	.986 ± .001	**.987 ± .002**	.987 ± .001	.983 ± .001	.987 ± .002	.983 ± .019	.405 ± .113	.405 ± .113
	0.5	0.25	.978 ± .003	.981 ± .003	**.981 ± .003**	.978 ± .004	.970 ± .011	.853 ± .213	.430 ± .120	.430 ± .120
	0.2	0.2	.987 ± .001	**.990 ± .001**	.989 ± .001	.986 ± .001	.989 ± .001	.990 ± .001	.986 ± .001	.986 ± .001
	0.4	0.4	.963 ± .016	.970 ± .013	.974 ± .005	**.975 ± .004**	.947 ± .030	.731 ± .183	**.975 ± .004**	**.975 ± .004**
	0.1	0.3	.986 ± .002	.990 ± .001	.989 ± .001	.987 ± .001	.989 ± .001	**.990 ± .001**	.981 ± .002	.981 ± .002
	0.3	0.1	.988 ± .001	.990 ± .001	.989 ± .001	.986 ± .001	.989 ± .001	**.990 ± .001**	.990 ± .001	.990 ± .001
libras-move	0.5	0.1	.683 ± .142	.642 ± .210	.826 ± .061	**.867 ± .052**	.536 ± .073	.360 ± .140	.501 ± .083	.497 ± .085
	0.5	0.25	.668 ± .209	.625 ± .227	**.816 ± .057**	.765 ± .085	.526 ± .075	.302 ± .093	.499 ± .090	.499 ± .090
	0.2	0.2	.887 ± .048	.818 ± .154	.921 ± .019	**.935 ± .016**	.876 ± .026	.494 ± .166	**.935 ± .016**	**.935 ± .016**
	0.4	0.4	.636 ± .312	.635 ± .265	**.845 ± .042**	.736 ± .075	.659 ± .089	.350 ± .131	.736 ± .075	.736 ± .075
	0.1	0.3	.888 ± .086	.843 ± .096	.932 ± .017	.941 ± .014	.920 ± .019	.683 ± .174	**.942 ± .010**	**.942 ± .010**
	0.3	0.1	.788 ± .232	.803 ± .199	.900 ± .027	**.928 ± .020**	.798 ± .044	.482 ± .162	.883 ± .034	.883 ± .034
mammography	0.5	0.1	.980 ± .003	.978 ± .010	.979 ± .003	**.984 ± .001**	.972 ± .007	.813 ± .154	.500 ± .202	.500 ± .202
	0.5	0.25	.976 ± .002	.963 ± .036	.972 ± .006	**.980 ± .002**	.949 ± .020	.647 ± .184	.520 ± .197	.520 ± .197
	0.2	0.2	.982 ± .003	.984 ± .001	.984 ± .001	**.985 ± .001**	.983 ± .001	.961 ± .052	**.985 ± .001**	**.985 ± .001**
	0.4	0.4	.969 ± .009	.943 ± .058	.970 ± .004	**.978 ± .002**	.934 ± .042	.509 ± .209	**.978 ± .002**	**.978 ± .002**
	0.1	0.3	.981 ± .002	.983 ± .001	.984 ± .001	**.985 ± .001**	.984 ± .001	.985 ± .001	.983 ± .001	.983 ± .001
	0.3	0.1	.982 ± .003	.984 ± .001	.983 ± .001	**.985 ± .001**	.982 ± .002	.938 ± .081	.985 ± .001	.985 ± .001
oil	0.5	0.1	.807 ± .215	.757 ± .180	.894 ± .029	**.951 ± .006**	.606 ± .126	.364 ± .137	.473 ± .080	.473 ± .080
	0.5	0.25	.803 ± .211	.669 ± .225	.886 ± .029	**.913 ± .021**	.577 ± .126	.285 ± .090	.493 ± .086	.493 ± .086
	0.2	0.2	.894 ± .082	.843 ± .166	.935 ± .018	**.959 ± .005**	.901 ± .042	.543 ± .139	**.959 ± .005**	**.959 ± .005**
	0.4	0.4	.692 ± .282	.574 ± .266	**.893 ± .027**	.879 ± .033	.663 ± .097	.316 ± .099	.879 ± .033	.879 ± .033
	0.1	0.3	.935 ± .028	.892 ± .068	.948 ± .006	**.958 ± .004**	.940 ± .008	.685 ± .179	**.958 ± .003**	**.958 ± .003**
	0.3	0.1	.895 ± .078	.843 ± .146	.934 ± .013	**.958 ± .005**	.861 ± .067	.522 ± .156	.952 ± .007	.952 ± .007
optical-digits	0.5	0.1	.966 ± .002	.965 ± .003	**.968 ± .002**	.949 ± .004	.950 ± .010	.965 ± .005	.382 ± .062	.382 ± .062
	0.5	0.25	.945 ± .010	.948 ± .007	**.949 ± .007**	.940 ± .006	.807 ± .058	.844 ± .146	.417 ± .067	.417 ± .067
	0.2	0.2	.968 ± .004	.971 ± .003	.971 ± .002	.957 ± .002	**.972 ± .003**	.971 ± .003	.957 ± .002	.957 ± .002
	0.4	0.4	.867 ± .088	.900 ± .044	.929 ± .011	**.930 ± .011**	.748 ± .060	.688 ± .110	**.930 ± .011**	**.930 ± .011**
	0.1	0.3	.963 ± .007	.971 ± .003	.970 ± .003	.958 ± .003	.972 ± .003	**.973 ± .003**	.930 ± .005	.930 ± .005
	0.3	0.1	.970 ± .003	.972 ± .003	.971 ± .002	.955 ± .003	.972 ± .003	.972 ± .003	**.972 ± .002**	**.972 ± .002**
ozone-level	0.5	0.1	.657 ± .207	.570 ± .284	.893 ± .028	**.971 ± .001**	.523 ± .129	.314 ± .093	.430 ± .108	.430 ± .108
	0.5	0.25	.675 ± .225	.605 ± .266	.901 ± .028	**.966 ± .005**	.510 ± .129	.337 ± .106	.460 ± .111	.460 ± .111
	0.2	0.2	.751 ± .166	.621 ± .248	.920 ± .012	**.971 ± .001**	.846 ± .045	.382 ± .172	**.971 ± .001**	**.971 ± .001**
	0.4	0.4	.647 ± .253	.618 ± .290	.909 ± .022	**.954 ± .011**	.614 ± .145	.320 ± .146	**.954 ± .011**	**.954 ± .011**
	0.1	0.3	.820 ± .080	.710 ± .169	.930 ± .009	.971 ± .001	.903 ± .015	.508 ± .184	**.971 ± .000**	.971 ± .000
pen-digits	0.3	0.1	.747 ± .118	.634 ± .251	.911 ± .017	**.971 ± .001**	.775 ± .074	.395 ± .185	.968 ± .004	.968 ± .004
	0.5	0.1	**.987 ± .003**	.987 ± .003	.977 ± .003	.979 ± .003	.983 ± .003	.987 ± .003	.462 ± .075	.462 ± .075
	0.5	0.25	.975 ± .006	.975 ± .007	.969 ± .006	.973 ± .006	**.976 ± .006**	.950 ± .043	.483 ± .077	.483 ± .077
	0.2	0.2	**.992 ± .001**	.992 ± .001	.982 ± .002	.984 ± .002	.984 ± .002	.992 ± .001	.984 ± .002	.984 ± .002
	0.4	0.4	.959 ± .010	.964 ± .011	.960 ± .006	**.965 ± .008**	.964 ± .012	.933 ± .058	**.965 ± .008**	**.965 ± .008**
	0.1	0.3	**.993 ± .001**	.992 ± .001	.982 ± .002	.984 ± .002	.984 ± .002	.992 ± .001	.971 ± .002	.971 ± .002
	0.3	0.1	**.992 ± .001**	.991 ± .001	.982 ± .002	.983 ± .002	.985 ± .002	.991 ± .001	.992 ± .001	.992 ± .001
protein-homo	0.5	0.1	**.997 ± .000**	.997 ± .000	.988 ± .002	.997 ± .000	.969 ± .017	.997 ± .000	.408 ± .200	.408 ± .200
	0.5	0.25	.997 ± .000	.997 ± .000	.987 ± .002	.996 ± .000	.947 ± .035	**.997 ± .000**	.451 ± .194	.451 ± .194
	0.2	0.2	.997 ± .000	.997 ± .000	.990 ± .001	.997 ± .000	.988 ± .001	**.997 ± .000**	.997 ± .000	.997 ± .000
	0.4	0.4	.996 ± .000	**.996 ± .000**	.987 ± .001	.996 ± .000	.960 ± .014	.967 ± .045	.996 ± .000	.996 ± .000
	0.1	0.3	.997 ± .000	.997 ± .000	.991 ± .001	.997 ± .000	.990 ± .001	**.997 ± .000**	.996 ± .000	.996 ± .000
	0.3	0.1	**.997 ± .000**	.997 ± .000	.989 ± .001	.997 ± .000	.986 ± .002	.997 ± .000	.997 ± .000	.997 ± .000
satimage	0.5	0.1	.904 ± .007	.914 ± .010	.919 ± .005	**.929 ± .001**	.885 ± .021	.873 ± .051	.407 ± .073	.407 ± .073
	0.5	0.25	.873 ± .041	.877 ± .046	.900 ± .018	**.921 ± .005**	.756 ± .106	.723 ± .173	.427 ± .079	.427 ± .079
	0.2	0.2	.894 ± .010	.910 ± .009	.925 ± .002	**.932 ± .001**	.920 ± .004	.917 ± .009	**.932 ± .001**	**.932 ± .001**
	0.4	0.4	.811 ± .147	.788 ± .137	.887 ± .020	**.912 ± .009**	.691 ± .141	.534 ± .161	**.912 ± .009**	**.912 ± .009**
	0.1	0.3	.884 ± .011	.900 ± .011	.927 ± .002	**.932 ± .001**	.924 ± .003	.919 ± .005	.922 ± .005	.922 ± .005
	0.3	0.1	.911 ± .006	.914 ± .008	.924 ± .003	**.932 ± .001**	.916 ± .005	.917 ± .008	.921 ± .003	.921 ± .003
scene	0.5	0.1	.447 ± .202	.389 ± .189	.828 ± .030	**.926 ± .000**	.486 ± .107	.313 ± .112	.321 ± .056	.321 ± .056
	0.5	0.25	.456 ± .218	.446 ± .184	.846 ± .027	**.922 ± .005**	.481 ± .106	.334 ± .074	.383 ± .069	.383 ± .069
	0.2	0.2	.406 ± .150	.365 ± .144	.860 ± .011	**.927 ± .001**	.783 ± .023	.504 ± .130	.927 ± .000	**.927 ± .001**
	0.4	0.4	.563 ± .283	.441 ± .260	.859 ± .019	**.904 ± .016**	.586 ± .095	.370 ± .131	**.904 ± .016**	**.904 ± .016**
	0.1	0.3	.394 ± .061	.342 ± .164	.868 ± .012	**.927 ± .000**	.837 ± .021	.508 ± .204	.927 ± .000	.927 ± .000
	0.3	0.1	.592 ± .117	.471 ± .181	.853 ± .018	**.927 ± .000**	.700 ± .065	.447 ± .120	.925 ± .003	.925 ± .003
sick-euthyroid	0.5	0.1	.955 ± .005	.963 ± .005	**.963 ± .005**	.947 ± .010	.927 ± .018	.927 ± .074	.357 ± .075	.357 ± .075
	0.5	0.25	.878 ± .130	.923 ± .041	**.940 ± .017**	.934 ± .016	.747 ± .160	.664 ± .205	.405 ± .089	.405 ± .089
	0.2	0.2	.967 ± .002	.970 ± .002	**.970 ± .002**	.954 ± .008	.967 ± .003	.970 ± .002	.954 ± .008	.954 ± .008
	0.4	0.4	.766 ± .278	.767 ± .223	.920 ± .024	**.924 ± .017**	.730 ± .193	.514 ± .230	**.924 ± .017**	**.924 ± .017**
	0.1	0.3	.967 ± .004	.970 ± .002	**.971 ± .002**	.954 ± .008	.970 ± .002	.970 ± .002	.917 ± .006	.917 ± .006
	0.3	0.1	.965 ± .004	.969 ± .003	.970 ± .002	.954 ± .006	.965 ± .003	.970 ± .003	**.970 ± .002**	**.970 ± .002**
solar-flare-m0	0.5	0.1	.815 ± .141	.628 ± .252	.904 ± .027	**.943 ± .005**	.739 ± .130	.331 ± .157	.424 ± .104	.424 ± .104
	0.5	0.25	.814 ± .145	.666 ± .228	.901 ± .028	**.926 ± .013**	.662 ± .167	.320 ± .195	.460 ± .110	.460 ± .110
	0.2	0.2	.677 ± .220	.588 ± .279	.921 ± .014	**.946 ± .003**	.892 ± .031	.401 ± .193	**.946 ± .003**	**.946 ± .003**
	0.4	0.4	.719 ± .168	.623 ± .257	**.907 ± .030**	.904 ± .021	.737 ± .160	.301 ± .145	.903 ± .021	.903 ± .021
	0.1	0.3	.671 ± .206	.559 ± .245	.925 ± .011	.947 ± .003	.911 ± .022	.419 ± .215	.949 ± .002	**.949 ± .002**
spectrometer	0.3	0.1	.781 ± .118	.649 ± .211	.919 ± .017	**.945 ± .003**	.873 ± .047	.401 ± .155	.937 ± .005	.937 ± .005
	0.5	0.1	.882 ± .091	.856 ± .129	.932 ± .027	**.934 ± .027**	.811 ± .095	.455 ± .200	.515 ± .101	.515 ± .101
	0.5	0.25	.772 ± .169	.736 ± .227	**.900 ± .040**	.870 ± .057	.691 ± .128	.346 ± .100	.519 ± .101	.519 ± .101
	0.2	0.2	.952 ± .012	.942 ± .043	.963 ± .010	**.965 ± .010**	.960 ± .017	.845 ± .123	**.965 ± .010**	**.965 ± .010**
	0.4	0.4	.760 ± .115	.708 ± .193	**.896 ± .048**	.830 ± .073	.755 ± .117	.335 ± .120	.830 ± .073	.830 ± .073
	0.1	0.3	.959 ± .014	.957 ± .017	.963 ± .008	**.966 ± .009**	.965 ± .008	.877 ± .133	.958 ± .010	.958 ± .010
thyroid-sick	0.3	0.1	.956 ± .013	.952 ± .023	.961 ± .010	**.962 ± .008**	.951 ± .019	.759 ± .191	.944 ± .028	.944 ± .028
	0.5	0.1	.962 ± .012	**.971 ± .005**	.971 ± .006	.962 ± .008	.949 ± .019	.907 ± .083	.399 ± .122	.399 ± .122
	0.5	0.25	.931 ± .034	.914 ± .126	.952 ± .015	**.955 ± .010**	.813 ± .099	.653 ± .213	.432 ± .129	.432 ± .129
	0.2	0.2	.974 ± .001	.978 ± .002	**.978 ± .001**	.968 ± .006	.977 ± .002	.973 ± .021	.968 ± .006	.968 ± .006
	0.4	0.4	.799 ± .133	.828 ± .166	.931 ± .023	.944 ± .010	.781 ± .112	.481 ± .176	**.944 ± .010**	**.944 ± .010**
us-crime	0.1	0.3	.973 ± .004	.977 ± .002	**.978 ± .001**	.969 ± .006	.978 ± .001	.978 ± .002	.946 ± .005	.946 ± .005
	0.3	0.1	.974 ± .002	.977 ± .002	.977 ± .002	.967 ± .005	.975 ± .003	.977 ± .002	**.978 ± .002**	**.978 ± .002**
	0.5	0.1	.891 ± .015	.830 ± .124	.916 ± .011	**.930 ± .003**	.847 ± .060	.578 ± .214	.460 ± .086	.460 ± .086
	0.5	0.25	.867 ± .040	.731 ± .162	.902 ± .021	**.920 ± .007**	.736 ± .117	.402 ± .150	.478 ± .090	.478 ± .090
	0.2	0.2	.910 ± .011	.886 ± .032	.930 ± .005	**.937 ± .003**	.924 ± .007	.837 ± .073	**.937 ± .003**	**.937 ± .003**
	0.4	0.4	.815 ± .063	.618 ± .245	.900 ± .019	**.902 ± .018**	.770 ± .075	.390 ± .116	**.902 ± .018**	**.902 ± .018**
	0.1	0.3	.897 ± .016	.876 ± .025	.932 ± .005	**.936 ± .002**	.930 ± .005	.887 ± .044	.933 ± .003	.933 ± .003
webpage	0.3	0.1	.901 ± .011	.886 ± .030	.928 ± .005	**.934 ± .002**	.916 ± .010	.837 ± .094	.928 ± .005	.928 ± .005
	0.5	0.1	.978 ± .002	.981 ± .002	**.981 ± .001**	.974 ± .001	.980 ± .002	.977 ± .018	.072 ± .039	.072 ± .039
	0.5	0.25	.956 ± .036	.975 ± .006	**.976 ± .002**	.974 ± .001	.964 ± .016	.861 ± .147	.175 ± .087	.175 ± .087
	0.2	0.2	.977 ± .003	.983 ± .001	.984 ± .001	.974 ± .001	**.984 ± .001**	.983 ± .001	.974 ± .001	.974 ± .001
	0.4	0.4	.973 ± .007	.968 ± .014	.974 ± .002	**.974 ± .001**	.946 ± .043	.772 ± .146	**.974 ± .001**	**.974 ± .001**
wine-quality	0.1	0.3	.972 ± .005	.982 ± .002	.984 ± .001	.974 ± .001	**.984 ± .001**	.983 ± .001	.973 ± .000	.973 ± .000
	0.3	0.1	.978 ± .001	.983 ± .001	.983 ± .001	.974 ± .000	**.983 ± .001**	.983 ± .001	.978 ± .001	.978 ± .001
	0.5	0.1	.790 ± .168	.721 ± .230	.925 ± .017	**.962 ± .001**	.759 ± .116	.482 ± .168	.394 ± .105	.394 ± .105
	0.5	0.25	.723 ± .184	.629 ± .226	.916 ± .015	**.957 ± .003**	.620 ± .153	.382 ± .126	.433 ± .109	.433 ± .109
	0.2	0.2	.776 ± .108	.824 ± .187	.944 ± .005	**.962 ± .001**	.937 ± .010	.662 ± .169	**.962 ± .001**	**.962 ± .001**
	0.4	0.4	.830 ± .148	.636 ± .281	.922 ± .012	**.948 ± .007**	.758 ± .107	.299 ± .127	**.948 ± .007**	**.948 ± .007**
	0.1	0.3	.888 ± .034	.895 ± .063	.950 ± .002	**.963 ± .001**	.948 ± .004	.850 ± .105	.963 ± .001	.963 ± .001
	0.3	0.1	.893 ± .054	.819 ± .238	.942 ± .006	**.962 ± .001**	.926 ± .017	.563 ± .196	.959 ± .002	.959 ± .002
yeast-me2	0.5	0.1	.822 ± .112	.703 ± .222	.923 ± .016	**.962 ± .005**	.671 ± .134	.337 ± .187	.440 ± .110	.440 ± .110
	0.5	0.25	.783 ± .292	.709 ± .180	.918 ± .013	**.947 ± .016**	.584 ± .143	.335 ± .173	.467 ± .115	.465 ± .113
	0.2	0.2	.809 ± .095	.765 ± .206	.941 ± .007	**.964 ± .002**	.917 ± .017	.593 ± .178	**.964 ± .002**	**.964 ± .002**
	0.4	0.4	.705 ± .162	.607 ± .243	.923 ± .011	**.930 ± .014**	.729 ± .104	.277 ± .125	**.930 ± .014**	**.930 ± .014**
	0.1	0.3	.868 ± .118	.837 ± .131	.948 ± .005	.964 ± .002	.940 ± .008	.615 ± .246	.965 ± .001	**.965 ± .001**
yeast-ml8	0.3	0.1	.908 ± .053	.812 ± .173	.940 ± .011	**.965 ± .002**	.890 ± .030	.461 ± .182	.957 ± .005	.957 ± .005
	0.5	0.1	.348 ± .172	.255 ± .145	.806 ± .029	**.926 ± .000**	.459 ± .052	.324 ± .109	.287 ± .055	.287 ± .055
	0.5	0.25	.435 ± .288	.388 ± .185	.836 ± .022	**.924 ± .002**	.482 ± .046	.335 ± .104	.366 ± .071	.366 ± .071
	0.2	0.2	.153 ± .052	.128 ± .036	.813 ± .027	**.926 ± .000**	.705 ± .047	.350 ± .120	**.926 ± .000**	**.926 ± .000**
	0.4	0.4	.574 ± .158	.397 ± .263	.847 ± .027	**.910 ± .013**	.560 ± .042	.304 ± .104	.910 ± .013	.910 ± .013
	0.1	0.3	.157 ± .056	.118 ± .057	.831 ± .021	**.926 ± .000**	.816 ± .025	.344 ± .136	**.926 ± .000**	**.926 ± .000**
	0.3	0.1	.202 ± .075	.168 ± .066	.799 ± .036	**.926 ± .000**	.595 ± .067	.292 ± .107	.926 ± .000	.926 ± .000