

Table 7. Accuracy comparisons among 8 classifiers on 50 data sets

Dataset	gRSF	1NN+DTW	FS	LTS	SD	ELIS	BSPCover	CRSF
ArrowHead	0.714(6)	0.783(4)	0.600(8)	0.823(1)	0.699(7)	0.800(3)	0.806(2)	0.723(5)
BeetleFly	0.900(2.5)	0.800(5.5)	0.650(8)	0.850(4)	0.683(7)	0.800(5.5)	0.900(2.5)	0.960(1)
BirdChicken	0.800(5.5)	0.900(2.5)	0.750(7)	0.800(5.5)	0.633(8)	0.900(2.5)	0.850(4)	0.965(1)
CBF	0.992(3)	0.991(4.5)	0.958(7)	0.991(4.5)	0.981(6)	0.927(8)	0.997(1)	0.994(2)
ChlConcen	0.662(1)	0.647(2)	0.583(6)	0.585(5)	0.538(7)	0.274(8)	0.612(4)	0.625(3)
Coffee	0.929(6)	1.000(2.5)	0.893(7)	1.000(2.5)	0.845(8)	0.964(5)	1.000(2.5)	1.000(2.5)
DiatomSizRed	0.827(8)	0.980(1.5)	0.886(6)	0.980(1.5)	0.914(3.5)	0.899(5)	0.873(7)	0.914(3.5)
DistPhaOutAgGrp	0.734(2)	0.727(4)	0.669(6)	0.719(5)	0.667(7)	0.734(3)	0.468(8)	0.736(1)
DistalPhaOutCor	0.772(5)	0.768(6)	0.779(4)	0.793(2)	0.731(7)	0.721(8)	0.832(1)	0.783(3)
Earthquakes	0.748(3)	0.683(6)	0.684(5)	0.741(4)	0.648(7)	0.776(1)	-(8)	0.748(2)
ECG200	0.840(4)	0.840(4)	0.770(7)	0.860(1)	0.840(4)	0.810(6)	0.640(8)	0.847(2)
ECGFiveDays	0.999(3)	0.700(8)	0.998(4)	1.000(1.5)	0.724(7)	0.955(6)	1.000(1.5)	0.978(5)
ElectricDev	0.748(3)	0.754(2)	0.549(6)	0.929(1)	0.593(5)	0.087(8)	0.242(7)	0.728(4)
FaceAll	0.750(4)	0.946(1)	0.624(8)	0.749(5)	0.713(7)	0.756(3)	0.763(2)	0.737(6)
FaceFour	0.875(6)	0.830(7)	0.921(5)	0.966(2.5)	0.805(8)	0.955(4)	0.966(2.5)	0.975(1)
FacesUCR	0.905(2)	0.886(3)	0.674(7)	0.939(1)	0.849(5)	0.636(8)	0.783(6)	0.872(4)
FordA	0.932(3)	0.586(8)	0.837(6)	0.940(2)	0.848(5)	0.676(7)	0.963(1)	0.889(4)
Ham	0.791(1)	0.695(5)	0.724(4)	0.638(6.5)	0.575(8)	0.638(6.5)	0.762(2)	0.745(3)
HandOutlines	0.905(3)	0.838(6)	0.876(4)	0.954(1)	0.862(5)	-(7.5)	-(7.5)	0.920(2)
Haptics	0.471(1.5)	0.416(4.5)	0.351(7)	-(8)	0.353(6)	0.416(4.5)	0.451(3)	0.471(1.5)
Herring	0.547(5)	0.469(7)	0.609(3)	0.594(4)	0.506(6)	-(8)	0.656(1)	0.654(2)
InlineSkate	0.378(5)	0.384(4)	0.295(7)	0.438(1)	0.398(3)	0.355(6)	-(8)	0.406(2)
InsectWingSnd	0.637(1)	0.358(8)	0.490(7)	0.606(2)	0.495(6)	0.596(3)	0.545(5)	0.583(4)
LargeKitchenApp	0.808(3)	0.789(4)	0.333(7.5)	0.701(5)	0.652(6)	0.333(7.5)	0.851(1)	0.830(2)
Lightning2	0.754(6)	0.803(3.5)	0.639(7)	0.803(3.5)	0.774(5)	-(8)	0.820(1)	0.813(2)
Lightning7	0.685(2.5)	0.685(2.5)	0.534(6)	-(7.5)	0.625(4)	-(7.5)	0.534(5)	0.764(1)
Mallat	0.946(3)	0.935(4)	0.958(2)	0.753(8)	0.931(5)	0.816(6)	0.768(7)	0.971(1)
Meat	0.917(3)	1.000(1)	0.783(6)	0.817(5)	0.880(4)	0.550(8)	0.750(7)	0.948(2)
MidPhaOutAgeGrp	0.604(2)	0.584(3.5)	0.533(5)	0.584(3.5)	0.518(6)	-(8)	0.188(7)	0.635(1)
MiddlePhalanxTW	0.552(2)	0.487(4)	0.500(3)	0.481(5)	0.461(6)	-(8)	0.273(7)	0.602(1)
Phoneme	0.315(1)	0.228(3)	0.174(5)	0.218(4)	0.146(6)	-(7.5)	-(7.5)	0.236(2)
ProPhaOutAgeGrp	0.844(2)	0.805(6)	0.824(4)	0.815(5)	0.767(7)	0.834(3)	0.488(8)	0.854(1)
RefrigDev	0.589(1)	0.464(5)	0.333(7)	0.515(3)	0.510(4)	0.400(6)	-(8)	0.564(2)
ShapeletSim	0.989(3)	0.650(8)	1.000(1.5)	0.972(4)	0.697(7)	1.000(1.5)	0.844(5)	0.820(6)
ShapesAll	0.835(2)	0.768(4)	0.610(5)	-(7)	0.786(3)	-(7)	-(7)	0.854(1)
SonyAIBORoSur2	0.880(5)	0.831(6)	0.789(7)	0.893(4)	0.770(8)	0.914(3)	0.935(1)	0.927(2)
Strawberry	0.949(1)	0.941(3)	0.914(5)	0.905(6)	0.898(7)	0.839(8)	0.943(2)	0.938(4)
Symbols	0.776(8)	0.950(1)	0.925(5)	0.938(3)	0.856(6)	0.808(7)	0.934(4)	0.948(2)
SyntheticContrl	0.997(2)	0.993(4.5)	0.923(8)	0.997(2)	0.976(7)	0.993(4.5)	0.997(2)	0.991(6)
ToeSegmentat1	0.956(3)	0.772(8)	0.921(6)	0.939(4)	0.857(7)	0.978(1)	0.965(2)	0.925(5)
Trace	1.000(3.5)	1.000(3.5)	1.000(3.5)	1.000(3.5)	0.958(7)	1.000(3.5)	0.810(8)	1.000(3.5)

TwoLeadECG	0.990(4)	0.904(7)	0.925(6)	0.997(2.5)	0.869(8)	0.998(1)	0.997(2.5)	0.951(5)
TwoPatterns	0.995(4)	1.000(1)	0.259(8)	0.993(5)	0.981(7)	0.998(2.5)	0.998(2.5)	0.988(6)
UWaveGestLibY	0.722(1)	0.634(6)	0.611(7)	0.703(2.5)	0.671(5)	0.693(4)	-(8)	0.703(2.5)
Wafer	1.000(1)	0.980(8)	0.998(2.5)	0.996(4)	0.993(7)	0.994(6)	0.998(2.5)	0.995(5)
Wine	0.759(2.5)	0.574(4)	0.759(2.5)	0.500(7)	0.548(5)	0.500(7)	0.500(7)	0.766(1)
WormsTwoClass	0.792(1)	0.623(8)	0.727(4.5)	0.727(4.5)	0.649(7)	0.718(6)	0.746(3)	0.777(2)
Yoga	0.843(1)	0.836(3)	0.700(7)	0.828(4)	0.801(6)	0.839(2)	-(8)	0.827(5)
Fungi	0.613(5)	0.796(2)	0.726(4)	0.748(3)	0.358(7)	0.505(6)	0.113(8)	0.970(1)
SmoothSubspace	0.920(3)	0.833(5)	0.767(7)	0.807(6)	0.859(4)	0.927(2)	0.333(8)	0.951(1)
Ave. ranking	3.18	4.49	5.62	3.86	6.07	5.36	4.67	2.75
Total Best	13	7	2	11	0	5	10	16
CRSF 1v1 Wins	28	36	46	28	49	39	31	-
CRSF 1v1 Draws	2	2	1	3	1	1	1	-
CRSF 1v1 Losses	20	12	3	19	0	10	18	-