
**Raw results for the EarlyOpt.SVM method proposed
in the paper titled “Early classification of time series
from a cost minimization point of view”.**

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In this document, we provide the raw results for earliness and accuracy for the EarlyOpt.SVM method for different values of α .

Table 1: Accuracy values for EarlyOpt.SVM method for different values of α

Dataset	$\alpha = 0.1$	$\alpha = 0.2$	$\alpha = 0.3$	$\alpha = 0.4$	$\alpha = 0.5$	$\alpha = 0.6$	$\alpha = 0.7$	$\alpha = 0.8$	$\alpha = 0.9$
50words	0.23	0.23	0.23	0.23	0.23	0.49	0.49	0.51	0.59
Adiac	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
Beef	0.40	0.40	0.40	0.40	0.43	0.40	0.40	0.40	0.40
CBF	0.45	0.51	0.52	0.97	0.97	0.97	0.97	0.97	0.98
ChlorineConcentration	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.56
CinC_ECG_torso	0.31	0.31	0.31	0.31	0.31	0.67	0.62	0.63	0.63
Coffee	0.64	0.64	0.61	0.57	0.57	0.57	0.57	0.57	0.57
Cricket_X	0.10	0.10	0.10	0.22	0.46	0.45	0.50	0.50	0.52
Cricket_Y	0.16	0.16	0.16	0.52	0.57	0.62	0.62	0.62	0.59
Cricket_Z	0.07	0.07	0.07	0.32	0.43	0.42	0.53	0.58	0.56
DiatomSizeReduction	0.58	0.58	0.75	0.73	0.74	0.74	0.80	0.80	0.80
ECG200	0.77	0.74	0.74	0.74	0.74	0.74	0.74	0.85	0.86
ECGFiveDays	0.50	0.53	0.52	0.59	0.59	0.59	0.59	0.59	0.59
FaceAll	0.31	0.38	0.50	0.50	0.59	0.61	0.61	0.64	0.67
FaceFour	0.27	0.27	0.27	0.27	0.86	0.88	0.85	0.88	0.85
FacesUCR	0.32	0.32	0.32	0.34	0.37	0.58	0.67	0.73	0.74
fh	0.29	0.29	0.29	0.29	0.57	0.61	0.60	0.62	0.68
Gun_Point	0.68	0.68	0.69	0.80	0.78	0.78	0.83	0.83	0.82
Haptics	0.41	0.41	0.41	0.41	0.41	0.41	0.43	0.42	0.40
InlineSkate	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
ItalyPowerDemand	0.71	0.71	0.71	0.71	0.72	0.78	0.83	0.91	0.92
Lighting2	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
Lighting7	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.45	0.53
MALLAT	0.25	0.25	0.25	0.52	0.57	0.58	0.64	0.68	0.68
MedicalImages	0.63	0.62	0.63	0.63	0.63	0.64	0.64	0.64	0.64
MoteStrain	0.67	0.74	0.82	0.82	0.82	0.82	0.82	0.82	0.81
OliveOil	0.43	0.40	0.43	0.43	0.70	0.73	0.70	0.73	0.73
OSULeaf	0.31	0.31	0.36	0.33	0.40	0.40	0.45	0.45	0.48
SonyAIBORobotSurface	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
SonyAIBORobotSurfaceII	0.73	0.73	0.73	0.73	0.73	0.75	0.74	0.74	0.74
StarLightCurves	0.85	0.86	0.86	0.92	0.92	0.92	0.92	0.92	0.92
SwedhLeaf	0.54	0.54	0.55	0.59	0.60	0.69	0.68	0.70	0.68
Symbols	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.61	0.72
synthetic_control	0.74	0.77	0.79	0.83	0.89	0.89	0.93	0.96	0.96
Trace	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.66	0.68
TwoLeadECG	0.39	0.39	0.39	0.39	0.39	0.39	0.44	0.44	0.50
Two_Patterns	0.28	0.28	0.28	0.28	0.28	0.28	0.83	0.82	0.82
uWaveGestureLibrary_X	0.28	0.28	0.28	0.28	0.64	0.70	0.72	0.73	0.74
uWaveGestureLibrary_Y	0.30	0.30	0.30	0.30	0.52	0.55	0.59	0.61	0.62
uWaveGestureLibrary_Z	0.28	0.28	0.28	0.28	0.56	0.59	0.64	0.65	0.67
wafer	0.93	0.93	0.93	0.93	0.93	0.93	0.97	0.97	0.98
WordsSynonyms	0.29	0.29	0.29	0.29	0.28	0.30	0.29	0.47	0.47
yoga	0.64	0.64	0.65	0.65	0.65	0.65	0.66	0.66	0.66
NonInvasiveFatalECG_Thorax1	0.47	0.47	0.50	0.52	0.54	0.56	0.64	0.67	0.72
NonInvasiveFatalECG_Thorax2	0.55	0.55	0.55	0.57	0.61	0.59	0.60	0.68	0.74

Table 2: Earliness values for EarlyOpt.SVM method for different values of α

Dataset	$\alpha = 0.1$	$\alpha = 0.2$	$\alpha = 0.3$	$\alpha = 0.4$	$\alpha = 0.5$	$\alpha = 0.6$	$\alpha = 0.7$	$\alpha = 0.8$	$\alpha = 0.9$
50words	5.00	5.00	5.00	5.00	5.00	30.92	31.04	40.08	61.07
Adiac	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Beef	5.00	5.00	5.00	26.26	6.00	8.50	15.50	15.67	15.67
CBF	5.00	7.46	7.76	5.54	27.13	27.39	27.17	26.82	26.48
ChlorineConcentration	5.20	5.08	5.06	5.06	5.06	5.38	5.37	5.41	9.89
CinC_ECG_torso	5.00	5.09	5.09	11.43	6.11	50.91	44.14	44.37	44.63
Coffee	5.00	5.54	10.00	13.37	11.43	11.43	11.43	11.43	11.43
Cricket_X	5.00	5.00	5.00	22.69	27.78	27.71	43.38	43.42	46.71
Cricket_Y	5.00	5.00	5.00	17.14	25.13	27.95	32.32	27.97	42.38
Cricket_Z	5.00	5.00	5.00	23.71	22.92	22.79	32.15	46.32	57.40
DiatomSizeReduction	5.00	5.00	13.22	5.60	24.31	24.18	48.94	50.11	50.00
ECG200	5.00	5.65	5.65	5.55	5.60	5.60	5.65	25.25	32.90
ECGFiveDays	5.03	5.20	5.19	10.08	5.56	5.53	5.55	5.55	5.55
FaceAll	5.00	6.31	9.85	5.00	17.36	21.09	22.08	36.12	47.15
FaceFour	5.00	5.00	5.00	7.98	28.81	29.20	29.38	29.94	30.23
FacesUCR	5.00	5.00	5.04	5.00	9.28	24.65	34.83	49.92	52.06
fh	5.00	5.00	5.00	19.87	19.51	21.17	22.14	21.37	35.00
Gun_Point	5.00	5.00	10.77	5.00	26.57	24.80	27.50	27.57	27.60
Haptics	5.00	5.00	5.00	5.00	5.00	5.00	7.16	8.57	36.36
InlineSkate	5.00	5.00	5.00	5.35	5.00	5.00	5.00	5.00	5.28
ItalyPowerDemand	5.00	5.09	5.38	5.00	8.89	16.94	23.77	41.56	46.35
Lighting2	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	10.16
Lighting7	5.00	5.00	5.00	13.87	5.00	5.00	5.00	22.40	47.05
MALLAT	5.00	5.00	5.00	5.32	15.59	19.54	30.24	36.93	36.59
MedicalImages	5.00	5.32	5.39	18.13	5.43	7.72	8.04	7.85	8.61
MoteStrain	5.00	6.46	18.21	6.50	18.25	18.27	18.12	18.16	52.69
OliveOil	5.00	5.50	5.33	5.37	20.83	21.67	26.00	26.00	26.67
OSULeaf	5.00	5.00	5.99	5.00	10.08	10.23	19.75	22.40	31.07
SonyAIBORobotSurface	5.00	5.00	5.00	5.26	5.00	5.00	5.00	5.00	5.00
SonyAIBORobotSurfaceII	5.26	5.23	5.23	8.24	5.23	10.00	7.78	15.98	16.12
StarLightCurves	5.00	5.23	5.41	9.02	8.46	9.19	9.13	15.73	16.78
SwedhLeaf	5.00	5.00	5.11	5.00	10.10	17.26	15.15	18.38	15.72
Symbols	5.00	5.00	5.00	7.72	5.00	5.00	8.66	10.48	34.57
synthetic_control	5.08	5.62	6.25	5.00	13.95	14.17	19.12	28.27	28.05
Trace	5.00	5.00	5.00	5.00	5.00	5.00	5.00	37.15	43.70
TwoLeadECG	5.00	5.00	5.00	5.00	5.00	5.00	18.35	18.52	34.78
Two_Patterns	5.00	5.00	5.00	5.00	5.00	5.00	82.68	84.62	89.81
uWaveGestureLibrary_X	5.00	5.00	5.00	5.00	33.27	42.92	46.90	53.39	72.29
uWaveGestureLibrary_Y	5.00	5.00	5.00	5.00	26.84	30.66	38.52	45.99	51.41
uWaveGestureLibrary_Z	5.00	5.00	5.00	5.02	28.91	31.16	37.12	37.78	53.30
wafer	5.00	5.02	5.02	5.00	5.02	5.02	12.53	12.19	12.99
WordsSynonyms	5.00	5.00	5.00	5.87	5.27	7.87	11.01	55.61	55.94
yoga	5.00	5.19	5.87	6.83	5.80	5.81	10.85	9.57	10.66
NonInvasiveFatalECG_Thorax1	5.00	5.00	6.26	5.79	7.90	9.85	23.28	29.41	58.69
NonInvasiveFatalECG_Thorax2	5.00	5.00	5.04		8.28	7.15	7.68	25.94	50.51