

Table 1: The average Area Under the Curve (AUC) scores evaluated on the test dataset over 100 trials.

	SVM	ℓ_1 -regularizer		ℓ_2 -regularizer		ℓ_∞ -regularizer	
		RSVM	DRSVM	RSVM	DRSVM	RSVM	DRSVM
australian	91.99 ± 2.41	92.03 ± 2.44	92.48 ± 2.05	92.61 ± 2.07	92.52 ± 2.03	92.43 ± 2.21	92.51 ± 2.09
blood transfusion	74.57 ± 3.66	74.16 ± 3.66	75.56 ± 3.53	75.33 ± 3.56	75.57 ± 3.48	75.77 ± 3.5	75.37 ± 3.36
climate model	93.65 ± 3.52	94.12 ± 3.69	93.98 ± 3.7	94.13 ± 3.45	94.13 ± 3.65	93.61 ± 3.46	93.72 ± 3.59
cylinder	71.49 ± 3.67	71.08 ± 3.77	71.73 ± 3.78	70.87 ± 3.82	71.26 ± 4.04	70.96 ± 3.72	71.99 ± 3.9
heart	89.95 ± 3.58	89.79 ± 3.62	89.9 ± 3.59	90.32 ± 3.36	90.19 ± 3.48	90.26 ± 3.47	90.05 ± 3.48
ionosphere	85.07 ± 5.19	90.33 ± 4.08	90.4 ± 4.29	91.47 ± 3.63	90.8 ± 4.09	85.99 ± 4.11	87.13 ± 7.06
liver disorders	60.52 ± 0.0	61.15 ± 0.76	61.83 ± 0.59	61.21 ± 0.27	61.56 ± 0.51	61.13 ± 0.42	61.74 ± 0.56
QSAR	90.55 ± 1.67	90.51 ± 1.75	91.06 ± 1.66	90.64 ± 1.77	91.13 ± 1.68	90.82 ± 1.85	91.07 ± 1.68
splice	92.05 ± 0.0	92.99 ± 0.37	92.94 ± 0.09	92.56 ± 0.05	92.53 ± 0.06	92.01 ± 0.07	92.47 ± 0.09
thoracic surgery	60.18 ± 8.11	60.43 ± 6.8	63.7 ± 6.39	64.42 ± 6.38	64.19 ± 6.12	63.28 ± 5.71	63.58 ± 6.02