

MLS	Dataset	Best	BEM	IEW	GEM	Caruana	RBST(ICM)
Ridge	abalone	47.51(6)	47.46 (1)	47.46(2)	47.50(5)	47.48(3)	47.49(4)
	airfoil_self_noise	48.91 (1)	50.50(6)	50.08(5)	48.91(3)	48.91(2)	49.01(4)
	auto_mpg	18.43(3)	18.43 (1)	18.43(2)	18.50(4)	18.50(5)	18.51(6)
	automobile	18.41(6)	17.52(2)	17.57(4)	17.71(5)	16.85 (1)	17.56(3)
	concrete_data	39.17(6)	39.12 (1)	39.12(2)	39.16(4)	39.16(5)	39.15(3)
	crime	34.73 (1)	34.79(4)	34.79(3)	34.79(2)	34.80(6)	34.79(5)
	fertility	109.02(2)	109.15(6)	109.14(5)	109.12(4)	109.12(3)	102.73 (1)
	flow	65.60(2)	66.37(6)	66.36(5)	65.60(4)	65.60(2)	63.85 (1)
	forest	112.02(2)	112.68(6)	112.68(5)	112.17(4)	112.11(3)	100.73 (1)
	qsar	43.13(4)	43.14(6)	43.14(5)	43.13(3)	43.13(2)	43.05 (1)
	servo	63.80(4)	63.71(3)	63.71(2)	63.80(5)	63.80(6)	60.20 (1)
	slump	90.91(2)	91.04(6)	91.04(5)	90.91(4)	90.91(2)	85.69 (1)
	traffic	46.80(3)	47.50(6)	47.46(5)	46.80(2)	46.80(3)	44.65 (1)
	wine_red	64.95(2)	65.03(6)	65.03(5)	64.96(4)	64.96(3)	64.95 (1)
	wine_white	72.96 (1)	73.11(6)	73.11(5)	72.96(2)	72.96(3)	72.97(4)
Avg. Rank		(3.10)	(4.40)	(4.00)	(3.67)	(3.37)	(2.47)
SVR	abalone	43.99(4)	45.94(6)	45.24(5)	43.91(2)	43.91(3)	42.69 (1)
	airfoil_self_noise	78.48(4)	79.70(6)	79.18(5)	72.69(2)	72.76(3)	71.14 (1)
	auto_mpg	37.09 (1)	93.06(6)	87.61(5)	37.11(3)	37.11(2)	37.61(4)
	automobile	115.89(5)	115.88(3)	115.88(4)	110.99(2)	115.89(5)	100.28 (1)
	concrete_data	54.17(2)	81.29(6)	78.99(5)	59.56(4)	54.17(2)	53.93 (1)
	crime	42.12(4)	195.46(6)	46.75(5)	41.45(3)	41.43(2)	41.22 (1)
	fertility	99.56(3)	99.26 (1)	99.40(2)	100.62(4)	100.62(5)	113.30(6)
	flow	77.67(3)	91.11(6)	90.45(5)	76.52(2)	76.48 (1)	78.29(4)
	forest	97.40(4)	97.19(3)	97.17(2)	95.50 (1)	97.51(5)	100.29(6)
	qsar	39.88(4)	41.73(6)	41.08(5)	36.65(3)	36.62(2)	36.59 (1)
	servo	17.29 (1)	43.90(6)	35.21(5)	18.14(2)	18.14(3)	18.39(4)
	slump	81.07(4)	90.44(6)	89.12(5)	75.60(2)	75.61(3)	74.01 (1)
	traffic	37.64(2)	49.05(6)	44.64(5)	37.64 (1)	37.68(3)	39.60(4)
	wine_red	65.75(6)	64.51(5)	64.25(4)	60.06(3)	60.06(2)	56.50 (1)
	wine_white	73.41(6)	70.84(5)	69.70(4)	60.59(3)	60.59(2)	55.92 (1)
Avg. Rank		(3.60)	(5.13)	(4.40)	(2.47)	(2.93)	(2.47)
RFR	abalone	44.94(4)	47.70(6)	47.02(5)	44.30 (1)	44.32(2)	44.40(3)
	airfoil_self_noise	24.91(2)	40.46(6)	34.51(5)	25.30(3)	25.63(4)	22.91 (1)
	auto_mpg	14.57(5)	14.77(6)	14.39(4)	14.02(2)	13.99 (1)	14.36(3)
	automobile	15.38(2)	17.40(6)	16.28(4)	17.33(5)	15.43(3)	14.99 (1)
	concrete_data	24.78(3)	28.49(6)	26.13(4)	26.26(5)	21.92(2)	16.54 (1)
	crime	36.17(6)	35.70(5)	35.66(4)	35.20(2)	35.20(3)	35.10 (1)
	fertility	96.37(4)	96.07(2)	96.32(3)	96.63(6)	96.63(5)	94.58 (1)
	flow	63.85(6)	61.35(4)	61.45(5)	59.02 (1)	59.69(2)	61.24(3)
	forest	103.29 (1)	104.33(3)	104.23(2)	106.05(5)	105.87(4)	106.29(6)
	qsar	39.46(4)	42.17(6)	40.68(5)	37.68(3)	37.68(2)	37.51 (1)
	servo	13.95 (1)	21.35(6)	18.18(5)	14.52(3)	14.42(2)	14.55(4)
	slump	74.16(6)	70.24 (1)	70.39(2)	72.16(3)	72.78(5)	72.21(4)
	traffic	49.04(6)	43.99(4)	43.88(3)	43.67 (1)	43.70(2)	45.17(5)
	wine_red	57.54(4)	59.80(6)	59.14(5)	55.97 (1)	55.98(2)	56.56(3)
	wine_white	60.54(4)	61.74(6)	61.23(5)	59.25(3)	59.21(2)	59.05 (1)
Avg. Rank		(3.87)	(4.87)	(4.07)	(2.93)	(2.73)	(2.53)
Mean Rank		(3.52)	(4.80)	(4.16)	(3.02)	(3.01)	(2.49)

Table 3: The 3-fold cross validation relative mean squared error and Friedman ranks for all the datasets when Best, BEM, IEW, GEM, Caruana, BST(ICM) and RBST(ICM) , taking into account some baseline systems (Ridge, SVR and RFR) and the BO sampling strategy.