Fertility   102.78(3)   102.	MLS	Dataset	BST(AIC)	BST(AICc)	BST(BIC) I	BST(HQIC) B	ST(GMDL)
Blow   G3.78(3)   G3.78(3)   G3.78(3)   G3.78(3)   G3.78(3)   G3.78(3)   G5.78(3)   G5.78(3)   G6.78(3)   G6.78(3)   G6.78(3)   G6.78(3)   G6.28(3)   G6.26(3)   G6	Ridge	automobile	18.81(3)	18.81(3)	18.81(3)	18.81(3)	18.81(3)
Ridge   Servo   60.26(3)   100.75(3)   100.75(3)   100.75(3)   100.75(3)   100.75(3)   100.75(3)   100.75(3)   100.75(3)   100.75(3)   100.75(3)   100.75(3)   100.75(3)   100.75(3)   100.75(3)   100.75(3)   100.75(3)   100.26(3)   1		fertility	102.78(3)	102.78(3)	102.78(3)	102.78(3)	102.78(3)
Ridge   servo   60.26(3)   60.26(3)   60.26(3)   60.26(3)   60.26(3)   60.26(3)   60.26(3)   60.26(3)   60.26(3)   60.26(3)   60.26(3)   60.26(3)   85.69(3)   85.6		flow	63.78(3)	63.78(3)	63.78(3)	63.78(3)	63.78(3)
Simp   85.69(3)   85.69(3)   85.69(3)   85.69(3)   85.69(3)   85.69(3)   85.69(3)   85.69(3)   85.69(3)   85.69(3)   85.69(3)   45.06(3)   45		forest	100.75(3)	100.75(3)	100.75(3)	100.75(3)	100.75(3)
traffic wine.red 64.96(3) 45.06(3) 45.06(3) 45.06(3) 45.06(3) 45.06(3) 45.06(3) 45.06(3) 45.06(3) 45.06(3) 45.06(3) 45.06(3) 45.06(3) 45.06(3) 45.06(3) 45.06(3) 64.92(3) 64.9		servo	60.26(3)	60.26(3)	60.26(3)	60.26(3)	60.26(3)
winc.red   44.92(3)   64.92(3)   64.92(3)   64.92(3)   64.92(3)   64.92(3)   64.92(3)   64.92(3)   72.97(3)		slump	85.69(3)	85.69(3)	85.69(3)	85.69(3)	85.69(3)
wine_white   72.97(3)   72.97(3		traffic	45.06(3)	45.06(3)	45.06(3)	45.06(3)	45.06(3)
Avg. Rank         (3.00)         (3.00)         (3.00)         (3.00)         (3.00)         (3.00)           automobile 100.17(3)         100.17(3)         100.17(3)         100.17(3)         100.17(3)         100.17(3)         100.17(3)         100.17(3)         100.17(3)         114.09(3)         114.09(3)         114.09(3)         114.09(3)         114.09(3)         114.09(3)         114.09(3)         114.09(3)         114.09(3)         114.09(3)         114.09(3)         114.09(3)         114.09(3)         114.09(3)         114.09(3)         114.09(3)         100.00(3)         100.80(3)         1		wine_red	<b>64.92</b> (3)	64.92(3)	64.92(3)	<b>64.92</b> (3)	64.92(3)
automobile 100.17(3) 100.17(3) 100.17(3) 100.17(3) 100.17(3) 100.17(3) 100.17(3) 100.17(3) 100.17(3) 100.17(3) 100.17(3) 100.17(3) 100.17(3) 114.09(3) 114.09(3) 114.09(3) 114.09(3) 114.09(3) 114.09(3) 114.09(3) 114.09(3) 114.09(3) 100.80(3) 100.8			72.97(3)	72.97(3)	72.97(3)	72.97(3)	72.97(3)
fertility   144.09(3)   144.09(3)   110.080(3)   110	Avg. Rank	:	(3.00)	(3.00)	(3.00)	(3.00)	(3.00)
Flow   76.52(4)   76.52(4)   76.51(1)   76.51(3)   76	SVR	automobile	100.17(3)	100.17(3)	100.17(3)		100.17(3)
Sover Sank         100.80(3)         16.01(2)         11.02(3)         73.95(3)         74.17(5)		fertility	114.09(3)	<b>114.09</b> (3)	<b>114.09</b> (3)	<b>114.09</b> (3)	<b>114.09</b> (3)
SVR         servo         16.01(2)         16.01(2)         16.63(4)         16.01(2)         17.35(5)           slump         72.51(1)         72.51(1)         73.95(3)         73.95(3)         73.95(3)         74.17(5)           traffic         39.35(3)         73.35(3)         73.35(3)         73.35(3)         73.47(3)         41.93(3)         14.93(3)		flow	76.52(4)	76.52(4)	76.51(1)		76.51(3)
Slump   72.51(i)   72.51(i)   73.95(3)   73.95(3)   74.17(5)     traffic   39.35(3)   39.35(3)   39.35(3)   39.35(3)     wine_red   57.52(2)   57.52(2)   65.39(4)   57.52(2)   65.39(4)     wine_white   58.83(2)   58.83(2)   58.83(2)   58.83(2)   57.37(5)     Avg. Rank   (2.72)   (2.72)   (3.11)   (2.61)   (3.83)     automobile   14.93(3)   14.93(3)   14.93(3)   14.93(3)   14.93(3)     fertility   99.66(3)   99.66(3)   99.66(3)   99.66(3)     flow   66.93(3)   66.93(3)   66.93(3)   66.93(3)   66.93(3)     forest   105.26(3)   105.26(3)   105.26(3)   105.26(3)     slump   73.55(3)   73.55(3)   73.55(3)   73.55(3)     traffic   47.66(3)   47.56(3)   47.56(3)     wine_red   57.64(3)   57.64(3)   57.64(3)   57.64(3)     wine_white   60.32(3)   60.32(3)   60.32(3)   60.32(3)     Avg. Rank   (3.00)   (3.00)   (3.00)   (3.00)   (3.00)     (3.00)   (3.00)   (3.00)   (3.00)		forest		100.80(3)			
traffic wine_red 57.5(2) 57.52(2) 65.39(4) 67.52(2) 67.52		servo	16.01(2)		16.63(4)	16.01(2)	17.35(5)
wine_red wine_white         57.52(2) 58.83(2)         56.39(4) 58.83(2)         57.52(2) 58.83(2)         58.83(2) 58.83(2)         58.83(2) 58.83(2)         58.83(2) 73.37(5)         57.52(2) 73.37(5)         65.39(4) 58.83(2)         75.52(2) 58.83(2)         58.83(2) 58.83(2)         75.52(2) 58.83(2)         65.83(3) 58.83(2)         75.52(2) 58.83(2)         75.52(2) 58.83(2)         75.52(2) 58.83(2)         75.52(2) 58.93(3)         75.52(2) 58.93(3)         75.52(2) 58.93(3)         75.52(2) 58.93(3)         75.52(2) 58.93(3)         75.52(2) 58.93(3)         75.52(2) 58.93(3)         75.52(2) 58.83(2)         75.52(2) 58.83(2)         75.52(2) 58.83(2)         75.52(2) 58.83(2)         75.52(2) 58.83(2)         75.52(2) 58.83(2)         75.52(2) 58.83(2)         75.52(2) 75.52(3)         75.52(2) 75.52(3)         75.52(2) 75.52(3)         75.52(2) 75.52(3)         75.52(2) 75.52(3)         75.52(3) 75.52(3)							74.17(5)
wine_white         88.83(2)         58.83(2)         58.83(2)         58.83(2)         58.83(2)         73.37(5)           Avg. Rank         (2.72)         (2.72)         (3.11)         (2.61)         (3.83)           automobile         14.93(3)							
Avg. Rank         (2.72)         (2.72)         (3.11)         (2.61)         (3.83)           automobile         14.93(3)         14.93(3)         14.93(3)         14.93(3)         14.93(3)         14.93(3)         14.93(3)         14.93(3)         14.93(3)         14.93(3)         99.66(3)<			57.52(2)	57.52(2)	65.39(4)	57.52(2)	65.39(4)
automobile 14.93(3) 16.93(3) 1						58.83(2)	73.37(5)
Fertility	Avg. Rank						(3.83)
flow   66.93(3)   66	RF						<b>14.93</b> (3)
Forest   105.26(3)   105.26(							99.66(3)
RF servo 14.06(3) 17.06(3) 14.06(3) 17.06(3) 14.06(3) 17.06(3) 14.06(3) 17.							<b>66.93</b> (3)
slump         73.55(3) <t< td=""><td>forest</td><td></td><td></td><td></td><td></td><td></td></t<>		forest					
traffic 47.56(3) 47.5							
wine_red wine.white         57.64(3)         57.64(3)         57.64(3)         57.64(3)         57.64(3)         57.64(3)         57.64(3)         57.64(3)         60.32(3) </td <td></td> <td></td> <td></td> <td></td> <td></td> <td><b>73.55</b>(3)</td>							<b>73.55</b> (3)
wine_white         60.32(3)         60.32(3)         60.32(3)         60.32(3)         60.32(3)         60.32(3)           Avg. Rank         (3.00)         (3.00)         (3.00)         (3.00)         (3.00)         (3.00)							<b>47.56</b> (3)
Avg. Rank $(3.00)$ $(3.00)$ $(3.00)$ $(3.00)$ $(3.00)$							<b>57.64</b> (3)
							<b>60.32</b> (3)
Mean Rank (2.91) (2.91) (3.04) (2.87) (3.28)	Avg. Rank						
	Mean Ranl	k	(2.91)	(2.91)	(3.04)	(2.87)	(3.28)

Table 14: The 3-fold cross validation relative mean squared error and Friedman ranks for all the datasets when BST, using several stop criteria (AIC, AICc, BIC, HQIC and GMDL), taking into account some baseline systems (Ridge, SVR and RF) and the BO sampling strategy.