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Lasso Best LS LSid RSW RSWid RSWH RSWHid   automobile 18.45(4) 31.43(6) 58.25(7) 18.31(3) 18.31(2) 18.19(1) 20.63(5)
fertility 95.55(1) 206.10(6) 270.66(7) 96.09(2) 96.29(3) 96.66(4) 102.64(5)
flow $66.82(5)$ $199.26(6)$ $200.90(7)$ $66.50(4)$ $64.56(2)$ $65.61(3)$ <b>61.68</b> (1)
forest $100.14(5)$ $105.79(6)$ $106.76(7)$ $98.79(2)$ $99.57(3)$ $98.34(1)$ $99.61(4)$
servo 63.17(3) 51.57(2) <b>51.35</b> (1) 63.23(4) 63.88(6) 63.77(5) 64.69(7)
slump $87.59(5)$ $96.34(7)$ $88.76(6)$ $86.74(4)$ $86.12(3)$ $86.06(2)$ <b>77.06</b> (1)
traffic $38.64(2) \ 1.09E + 07(6) \ 1.12E + 09(7) \ 39.13(4) \ 39.03(3) \ \textbf{37.39}(1) \ 52.42(5)$
wine_red $69.24(4)$ $105.45(6)$ $107.94(7)$ $69.23(3)$ $69.34(5)$ $68.94(2)$ <b>68.34</b> (1)
wine_white 78.40(5) 78.21(2) 78.73(6) 78.33(4) <b>78.20</b> (1) 78.31(3) 78.87(7)
Avg. Rank (3.78) (5.22) (6.11) (3.33) (3.11) (2.44) (4.00)
SVR Best LS LSid RSW RSWid RSWH RSWHid
automobile <b>20.60</b> (1) 273375.72(7) 95129.58(6) 21.48(2) 21.59(3) 21.89(4) 27.68(5)
fertility 98.43(4) 181.23(6) 227.20(7) <b>96.19</b> (1) 96.83(2) 97.97(3) 100.75(5)
flow $70.32(3) \ 3.69E + 06(6) \ 9.66E + 06(7) \ 65.44(2) \ 63.31(1) \ 72.94(4) \ 76.29(5)$
forest $98.14(1)$ 122.45(6) 128.73(7) 101.39(3) 101.70(4) 100.46(2) 102.05(5)
servo 21.53(5) 74.73(6) 119.47(7) 20.16(2) 20.42(3) <b>19.53</b> (1) 20.53(4)
slump 80.17(3) 8.55E+14(7) 2.25E+13(6) <b>79.01</b> (1) 79.30(2) 134.35(5) 123.76(4)
traffic $41.89(1)$ $425.97(7)$ $323.31(6)$ $48.86(4)$ $51.73(5)$ $43.97(2)$ $45.43(3)$
wine_red $66.87(5)$ $58.91(2)$ $59.78(4)$ $68.81(6)$ $69.00(7)$ $58.78(1)$ $59.35(3)$
Avg. Rank $(3.11)$ $(5.89)$ $(6.33)$ $(2.78)$ $(3.33)$ $(2.56)$ $(4.00)$

Table 5: The 3-fold cross validation relative mean squared error and Friedman ranks for all datasets when the best hyperparameter configuration trial (Best), linear regression via least squared with the option of adding instance description (LSid) or not (LS) to the ensemble, non-hyperparametric stacking stepwise regression over residuals adding instance description (RSWid) or not (RSW) to the ensemble and non-hyperparametric stacking stepwise regression over residual with the heuristic to provide zero weights to some models adding instance description to the ensemble (RSWHid) or not (RSWH), all taking into account several baseline systems (kNNR, Ridge, Lasso and SVR) and the HB sampling strategy.