automobile     23.85(5)     21.95(1)     21.96(2)     22.02(3)     27.21(6)     23.04(4)     21.28     10.26       fertility     112.60(6)     96.14(1)     96.41(2)     98.38(3)     106.84(4)     108.23(5)     93.40     59.15       flow     90.16(4)     87.19(3)     86.81(2)     90.28(5)     97.01(6)     61.32(1)     80.33     40.73       forest     101.94(3)     106.33(6)     105.25(5)     104.83(4)     99.42(1)     100.65(2)     101.94     90.47       servo     50.35(6)     46.85(3)     46.89(4)     45.14(2)     44.49(1)     48.55(5)     42.76     19.39       slump     95.58(4)     91.94(3)     91.88(2)     96.24(5)     104.05(6)     89.64(1)     86.73     47.26       traffic     35.28(4)     32.84(2)     32.77(1)     33.92(3)     35.98(5)     38.16(6)     31.25     15.21       wine_red     48.81(6)     79.03(2)     79.22(3)     81.97(5)     80.04(4)     65.19(1)     84.96     4.11     (2.89)     -     - <tr< th=""><th>kNNR</th><th>Best</th><th>BEM</th><th>IEW</th><th>Caruana</th><th>RSWH</th><th>RSWHid</th><th>WCH</th><th>SCH</th></tr<>	kNNR	Best	BEM	IEW	Caruana	RSWH	RSWHid	WCH	SCH
flow     90.16(4)     87.19(3)     86.81(2)     90.28(5)     97.01(6)     61.32(1)     80.93     40.73       forest     101.94(3)     106.33(6)     105.25(5)     104.83(4)     99.42(1)     100.65(2)     101.94     90.47       servo     50.35(6)     46.85(3)     46.89(4)     45.14(2)     44.49(1)     48.55(5)     42.76     19.39       slump     95.58(4)     91.94(3)     91.88(2)     96.24(5)     104.05(6)     89.64(1)     86.73     47.26       wine_white     84.81(6)     79.03(2)     79.22(3)     81.97(5)     80.84(4)     65.19(1)     84.64     37.56       wine_white     84.91(6)     78.33(2)     78.48(3)     80.27(5)     80.04(4)     65.74(1)     83.47     36.56       Avg. Rank     (4.89)     (2.56)     (2.67)     (3.89)     (4.11)     (2.89)     -     -     -       Ridge     Best     BEM     IEW     Caruana     RSWH RSWHid     WCH     SCH       automobil     19.51(6)     16.92(1)     16.95(2)	automobile	23.85(5)	<b>21.95</b> (1)	21.96(2)	22.02(3)	27.21(6)	23.04(4)	21.28	10.26
forest     101.94(3)     106.33(6)     105.25(5)     104.83(4)     99.42(1)     100.65(2)     101.94     90.47       servo     50.35(6)     46.85(3)     46.89(4)     45.14(2)     44.49(1)     48.55(5)     42.76     19.39       slump     95.58(4)     91.94(3)     91.88(2)     96.24(5)     104.05(6)     89.64(1)     86.73     47.26       traffic     35.28(4)     32.84(2)     32.77(1)     33.92(3)     35.98(5)     38.16(6)     31.25     15.21       wine_white     84.91(6)     78.33(2)     78.48(3)     80.27(5)     80.84(4)     65.79(1)     83.47     36.56       Avg. Rank     (4.89)     (2.56)     (2.67)     (3.89)     (4.11)     (2.89)        Ridge     Best     BEM     IEW     Caruana     RSWH RSWHid     WCH     SCH       automobile     19.51(6)     16.92(1)     16.95(2)     17.20(3)     18.64(4)     18.77(5)     17.03     90.56       fertility     102.34(2)     103.72(5)     103.70(4)     102.50(3)	fertility	112.60(6)	96.14(1)	96.41(2)	98.38(3)	106.84(4)	108.23(5)	93.40	59.15
servo     50.35(6)     46.85(3)     46.89(4)     45.14(2)     44.49(1)     48.55(5)     42.76     19.39       slump     95.58(4)     91.94(3)     91.88(2)     96.24(5)     104.05(6)     89.64(1)     86.73     47.26       traffic     35.28(4)     32.84(2)     32.77(1)     33.92(3)     35.98(5)     38.16(6)     31.25     15.21       wine_white     84.91(6)     79.03(2)     79.22(3)     81.97(5)     80.84(4)     65.19(1)     84.64     37.56       wine_white     84.91(6)     78.33(2)     78.48(3)     80.27(5)     80.04(4)     65.74(1)     83.47     36.56       More Rank     (4.89)     (2.56)     (2.67)     (3.89)     (4.11)     (2.89)        Ridge     Best     BEM     IEW     Caruana     RSWH RSWHid     WCH     SCH       automobile     19.51(6)     16.92(1)     16.95(2)     17.20(3)     18.64(4)     18.77(5)     17.03     90.5       fertility     102.34(2)     103.72(5)     103.70(4)     102.50(3)	flow	90.16(4)	87.19(3)	86.81(2)	90.28(5)	97.01(6)	<b>61.32</b> (1)	80.93	40.73
slump     95.58(4)     91.94(3)     91.88(2)     96.24(5)     104.05(6)     89.64(1)     86.73     47.26       traffic     35.28(4)     32.84(2)     32.77(1)     33.92(3)     35.98(5)     38.16(6)     31.25     15.21       wine_white     84.81(6)     79.03(2)     79.22(3)     81.97(5)     80.84(4)     65.19(1)     84.64     37.56       wine_white     84.91(6)     78.33(2)     78.48(3)     80.27(5)     80.04(4)     65.74(1)     83.47     36.56       Avg. Rank     (4.89)     (2.56)     (2.67)     (3.89)     (4.11)     (2.89)     ———       Ridge     Best     BEM     IEW     Caruana     RSWH RSWHid     WCH     SCH       automobile     19.51(6)     16.92(1)     16.95(2)     17.20(3)     18.64(4)     18.77(5)     17.03     9.05       fertility     102.34(2)     103.72(5)     103.70(4)     102.50(3)     97.05(1)     106.99(6)     192.34     96.86       flow     65.66(3)     66.45(6)     66.45(5)     65.73(4)	forest	101.94(3)	106.33(6)	105.25(5)		<b>99.42</b> (1)	100.65(2)	101.94	90.47
slump     95.58(4)     91.94(3)     91.88(2)     96.24(5)     104.05(6)     89.64(1)     86.73     47.26       traffic     35.28(4)     32.84(2)     32.77(1)     33.92(3)     35.98(5)     38.16(6)     31.25     15.21       wine_white     84.81(6)     79.03(2)     79.22(3)     81.97(5)     80.84(4)     65.19(1)     84.64     37.56       wine_white     84.91(6)     78.33(2)     78.48(3)     80.27(5)     80.04(4)     65.74(1)     83.47     36.56       Avg. Rank     (4.89)     (2.56)     (2.67)     (3.89)     (4.11)     (2.89)     ———       Ridge     Best     BEM     IEW     Caruana     RSWH RSWHid     WCH     SCH       automobile     19.51(6)     16.92(1)     16.95(2)     17.20(3)     18.64(4)     18.77(5)     17.03     9.05       fertility     102.34(2)     103.72(5)     103.70(4)     102.50(3)     97.05(1)     106.99(6)     192.34     96.86       flow     65.66(3)     66.45(6)     66.45(5)     65.73(4)	servo	50.35(6)	46.85(3)	46.89(4)	45.14(2)	44.49(1)	48.55(5)	42.76	19.39
wine_red     84.81(6)     79.03(2)     79.22(3)     81.97(5)     80.84(4)     65.19(1)     84.64     37.56       wine_white     84.91(6)     78.33(2)     78.48(3)     80.27(5)     80.04(4)     65.74(1)     83.47     36.56       Avg. Rank     (4.89)     (2.56)     (2.67)     (3.89)     (4.11)     (2.89)     -     -       Ridge     Best     BEM     IEW     Caruana     RSWH     RSWHid     WCH     SCH       automobile     19.51(6)     16.92(1)     16.95(2)     17.20(3)     18.64(4)     18.77(5)     17.03     90.5       fertility     102.34(2)     103.72(5)     103.70(4)     102.50(3)     97.05(1)     106.99(6)     102.34     96.86       flow     65.66(3)     66.45(6)     66.45(5)     65.73(4)     64.61(2)     63.24(1)     65.30     63.78       forest     99.01(2)     99.46(5)     99.46(4)     99.06(3)     98.26(1)     99.99(6)     98.98     97.74       servo     62.32(1)     62.51(3)     62.51(4)	slump	95.58(4)	91.94(3)	91.88(2)	96.24(5)	104.05(6)	<b>89.64</b> (1)	86.73	
wine_white     84.91(6)     78.33(2)     78.48(3)     80.27(5)     80.04(4)     65.74(1)     83.47     36.56       Avg. Rank     (4.89)     (2.56)     (2.67)     (3.89)     (4.11)     (2.89)     -     -       Ridge     Best     BEM     IEW     Caruana     RSWH     RSWHid     WCH     SCH       automobile     19.51(6)     16.92(1)     16.95(2)     17.20(3)     18.64(4)     18.77(5)     17.03     9.05       fertility     102.34(2)     103.72(5)     103.70(4)     102.50(3)     97.05(1)     106.99(6)     190.3     96.86       flow     65.66(3)     66.45(6)     66.45(5)     65.73(4)     64.61(2)     63.24(1)     65.30     63.78       forest     99.01(2)     99.46(5)     99.46(4)     99.06(3)     98.26(1)     99.69(6)     98.98     97.74       servo     62.32(1)     62.51(3)     62.51(4)     69.36(2)     63.54(6)     63.05(5)     61.83     61.36       slump     86.55(3)     87.12(6)     87.11(5)	traffic	35.28(4)	32.84(2)	<b>32.77</b> (1)	33.92(3)	35.98(5)	38.16(6)	31.25	15.21
Avg. Rank     (4.89)     (2.56)     (2.67)     (3.89)     (4.11)     (2.89)     -     -       Ridge     Best     BEM     IEW     Caruana     RSWH     RSWHid     WCH     SCH       automobile     19.51(6)     16.92(1)     16.95(2)     17.20(3)     18.64(4)     18.77(5)     17.03     9.05       fertility     102.34(2)     103.72(5)     103.70(4)     102.50(3)     97.05(1)     106.99(6)     102.34     96.86       flow     65.66(3)     66.45(6)     66.45(5)     65.73(4)     64.61(2)     63.24(1)     65.30     63.78       forest     99.01(2)     99.46(5)     99.46(4)     99.06(3)     98.26(1)     99.69(6)     98.98     97.74       servo     62.32(1)     62.51(3)     62.51(4)     62.36(2)     63.54(6)     63.05(5)     61.83     61.83     61.83     61.83     61.83     61.83     61.83     62.91     48.71(1)     86.61(4)     85.59(2)     78.64(1)     86.18     88.92     18.31     18.42     36.01(1)     3	wine_red	84.81(6)	79.03(2)	79.22(3)	81.97(5)	80.84(4)	65.19(1)	84.64	37.56
Ridge     Best     BEM     IEW     Caruana     RSWH     RSWHId     WCH     SCH       automobile     19.51(6)     16.92(1)     16.95(2)     17.20(3)     18.64(4)     18.77(5)     17.03     9.05       fertility     102.34(2)     103.72(5)     103.70(4)     102.50(3)     97.05(1)     106.99(6)     102.34     96.86       flow     65.66(3)     66.45(6)     66.45(5)     65.73(4)     64.61(2)     63.24(1)     65.30     63.78       forest     99.01(2)     99.46(5)     99.46(4)     99.06(3)     98.26(1)     99.69(6)     98.98     97.74       servo     62.32(1)     62.51(3)     62.51(4)     62.36(2)     63.54(6)     63.05(5)     61.83     61.36       slump     86.55(3)     87.12(6)     87.11(5)     86.61(4)     85.59(2)     78.64(1)     86.18     83.92       traffic     39.51(3)     41.04(6)     40.95(5)     39.90(4)     36.84(2)     36.01(1)     39.47     38.01       wine_white     72.66(3)     73.79(6)	$wine\_white$	84.91(6)	78.33(2)	78.48(3)	80.27(5)	80.04(4)	65.74(1)	83.47	36.56
automobile     19.51(6)     16.92(1)     16.95(2)     17.20(3)     18.64(4)     18.77(5)     17.03     9.05       fertility     102.34(2)     103.72(5)     103.70(4)     102.50(3)     97.05(1)     106.99(6)     102.34     96.86       flow     65.66(3)     66.45(6)     66.45(5)     65.73(4)     64.61(2)     63.24(1)     65.30     63.78       forest     99.01(2)     99.46(5)     99.46(4)     99.06(3)     98.26(1)     99.69(6)     98.98     97.74       servo     62.32(1)     62.51(3)     62.51(4)     62.36(2)     63.54(6)     63.05(5)     61.83     61.36       slump     86.55(3)     87.12(6)     87.11(5)     86.61(4)     85.59(2)     78.64(1)     39.47     38.01       traffic     39.51(3)     41.04(6)     40.95(5)     39.90(4)     36.84(2)     36.01(1)     39.47     38.01       wine_red     64.91(2)     65.82(6)     65.74(5)     64.91(1)     64.96(3)     64.99(4)     64.84     51.31       wine_white     72.66(3) <t< td=""><td>Avg. Rank</td><td>(4.89)</td><td>(2.56)</td><td>(2.67)</td><td>(3.89)</td><td>(4.11)</td><td>(2.89)</td><td>-</td><td>_</td></t<>	Avg. Rank	(4.89)	(2.56)	(2.67)	(3.89)	(4.11)	(2.89)	-	_
fertility     102.34(2)     103.72(5)     103.70(4)     102.50(3)     97.05(1)     106.99(6)     102.34     96.86       flow     65.66(3)     66.45(6)     66.45(5)     65.73(4)     64.61(2)     63.24(1)     65.30     63.78       forest     99.01(2)     99.46(5)     99.46(4)     99.06(3)     98.26(1)     99.69(6)     98.98     97.74       servo     62.32(1)     62.51(3)     62.51(4)     62.36(2)     63.54(6)     63.05(5)     61.83     61.36       slump     86.55(3)     87.12(6)     87.11(5)     86.61(4)     85.59(2)     78.64(1)     86.18     83.92       traffic     39.51(3)     41.04(6)     40.95(5)     39.90(4)     36.84(2)     36.01(1)     39.47     38.01       wine_white     72.66(3)     73.79(6)     73.71(5)     72.43(1)     72.64(2)     72.66(4)     72.02     60.11       Avg. Rank     (2.78)     (4.89)     (4.33)     (2.78)     (2.56)     (3.67)     -     -       Lasso     Best     BEM     IEW<	Ridge	Best	BEM	IEW	Caruana	RSWH	RSWHid	WCH	SCH
flow     65.66(3)     66.45(6)     66.45(5)     65.73(4)     64.61(2)     63.24(1)     65.30     63.78       forest     99.01(2)     99.46(5)     99.46(4)     99.06(3)     98.26(1)     99.69(6)     98.98     97.74       servo     62.32(1)     62.51(3)     62.51(4)     62.36(2)     63.54(6)     63.05(5)     61.83     61.36       slump     86.55(3)     87.12(6)     87.11(5)     86.61(4)     85.59(2)     78.64(1)     86.18     83.92       traffic     39.51(3)     41.04(6)     40.95(5)     39.90(4)     36.84(2)     36.01(1)     39.47     38.01       wine_white     72.66(3)     73.79(6)     73.71(5)     72.43(1)     72.64(2)     72.66(4)     72.02     60.11       Avg. Rank     (2.78)     (4.89)     (4.33)     (2.78)     (2.56)     (3.67)     -     -       Lasso     Best     BEM     IEW     Caruana     RSWH RSWHid     WCH     SCH       automobile     18.45(5)     18.45(3)     18.45(2)     18.45(4)	automobile	19.51(6)	<b>16.92</b> (1)	16.95(2)	17.20(3)	18.64(4)	18.77(5)	17.03	9.05
forest     99.01(2)     99.46(5)     99.46(4)     99.06(3)     98.26(1)     99.6(6)     98.98     97.74       servo     62.32(1)     62.51(3)     62.51(4)     62.36(2)     63.54(6)     63.05(5)     61.83     61.36       slump     86.55(3)     87.12(6)     87.11(5)     86.61(4)     85.59(2)     78.64(1)     86.18     83.92       traffic     39.51(3)     41.04(6)     40.95(5)     39.90(4)     36.84(2)     36.01(1)     39.47     38.01       wine_white     72.66(3)     73.79(6)     73.71(5)     72.43(1)     72.64(2)     72.66(4)     72.02     60.11       Avg. Rank     (2.78)     (4.89)     (4.33)     (2.78)     (2.56)     (3.67)     ——       Lasso     Best     BEM     IEW     Caruana     RSWH RSWHid     WCH     SCH       dutomobile     18.45(5)     18.45(3)     18.45(2)     18.45(4)     18.19(1)     19.45(6)     18.45     18.45       flow     66.81(3)     66.82(6)     66.82(5)     66.82(4)     65.59(2)<	fertility	102.34(2)	103.72(5)	103.70(4)	102.50(3)	97.05(1)	106.99(6)	102.34	96.86
servo     62.32(1)     62.51(3)     62.51(4)     62.36(2)     63.54(6)     63.05(5)     61.83     61.36       slump     86.55(3)     87.12(6)     87.11(5)     86.61(4)     85.59(2)     78.64(1)     86.18     83.92       traffic     39.51(3)     41.04(6)     40.95(5)     39.90(4)     36.84(2)     36.01(1)     39.47     38.01       wine_white     72.66(3)     73.79(6)     73.71(5)     72.43(1)     72.64(2)     72.66(4)     72.02     60.11       Avg. Rank     (2.78)     (4.89)     (4.33)     (2.78)     (2.56)     (3.67)     -     -       Lasso     Best     BEM     IEW     Caruana     RSWH     RSWHid     WCH     SCH       fertility     95.85(4)     94.17(1)     94.17(2)     94.83(3)     96.66(5)     103.80(6)     92.74     90.36       flow     66.81(3)     66.82(6)     66.82(5)     66.82(4)     65.59(2)     62.85(1)     66.81     66.79       forest     100.09(3)     100.13(5)     100.12(4)	flow	65.66(3)	66.45(6)	66.45(5)	65.73(4)	64.61(2)	<b>63.24</b> (1)	65.30	63.78
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	forest	99.01(2)	99.46(5)	99.46(4)	99.06(3)	98.26(1)	99.69(6)	98.98	97.74
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	servo	62.32(1)	62.51(3)	62.51(4)	62.36(2)	63.54(6)	63.05(5)	61.83	61.36
wine_red     64.91(2)     65.82(6)     65.74(5)     64.91(1)     64.96(3)     64.99(4)     64.84     51.31       wine_white     72.66(3)     73.79(6)     73.71(5)     72.43(1)     72.64(2)     72.66(4)     72.02     60.11       Avg. Rank     (2.78)     (4.89)     (4.33)     (2.78)     (2.56)     (3.67)     -     -       Lasso     Best     BEM     IEW     Caruana     RSWH     RSWHid     WCH     SCH       automobile     18.45(5)     18.45(3)     18.45(2)     18.45(4)     18.19(1)     19.45(6)     18.45     18.45       fertility     95.85(4)     94.17(1)     94.17(2)     94.83(3)     96.66(5)     103.80(6)     92.74     90.36       flow     66.81(3)     66.82(6)     66.82(4)     65.59(2)     62.85(1)     66.81     66.79       forest     100.09(3)     100.13(6)     100.13(5)     100.12(4)     98.34(1)     99.47(2)     100.09     100.08       servo     63.62(5)     63.38(1)     63.38(2)     63.43(3)	slump	86.55(3)	87.12(6)	87.11(5)	86.61(4)	85.59(2)	<b>78.64</b> (1)	86.18	83.92
wine_white     72.66(3)     73.79(6)     73.71(5)     72.43(1)     72.64(2)     72.66(4)     72.02     60.11       Avg. Rank     (2.78)     (4.89)     (4.33)     (2.78)     (2.56)     (3.67)     -     -       Lasso     Best     BEM     IEW     Caruana     RSWH     RSWHid     WCH     SCH       automobile     18.45(5)     18.45(3)     18.45(2)     18.45(4)     18.19(1)     19.45(6)     18.45     18.45       fertility     95.85(4)     94.17(1)     94.17(2)     94.83(3)     96.66(5)     103.80(6)     92.74     90.36       flow     66.81(3)     66.82(6)     66.82(4)     65.59(2)     62.85(1)     66.81     66.79       forest     100.09(3)     100.13(6)     100.13(5)     100.12(4)     98.34(1)     99.47(2)     100.09     100.08       servo     63.62(5)     63.38(1)     63.38(2)     63.43(3)     63.77(6)     63.52(4)     62.67     62.15       slump     87.59(3)     87.61(6)     87.61(5)     87.60(4)	traffic	39.51(3)	41.04(6)	40.95(5)	39.90(4)	36.84(2)	36.01(1)	39.47	38.01
Avg. Rank     (2.78)     (4.89)     (4.33)     (2.78)     (2.56)     (3.67)     -     -       Lasso     Best     BEM     IEW     Caruana     RSWH     RSWHid     WCH     SCH       automobile     18.45(5)     18.45(3)     18.45(2)     18.45(4)     18.19(1)     19.45(6)     18.45     18.45       fertility     95.85(4)     94.17(1)     94.17(2)     94.83(3)     96.66(5)     103.80(6)     92.74     90.36       flow     66.81(3)     66.82(6)     66.82(4)     65.59(2)     62.85(1)     66.81     66.79       forest     100.09(3)     100.13(6)     100.13(5)     100.12(4)     98.34(1)     99.47(2)     100.09     100.08       servo     63.62(5)     63.38(1)     63.38(2)     63.43(3)     63.77(6)     63.52(4)     62.67     62.15       slump     87.59(3)     87.61(6)     87.61(5)     87.60(4)     86.05(2)     81.32(1)     87.59     87.55       traffic     38.64(3)     39.03(6)     39.02(5)     38.96(4)	wine_red	64.91(2)	65.82(6)	65.74(5)	<b>64.91</b> (1)	64.96(3)	64.99(4)	64.84	51.31
Lasso     Best     BEM     IEW     Caruana     RSWH     RSWHId     WCH     SCH       automobile     18.45(5)     18.45(3)     18.45(2)     18.45(4)     18.19(1)     19.45(6)     18.45     18.45       fertility     95.85(4)     94.17(1)     94.17(2)     94.83(3)     96.66(5)     103.80(6)     92.74     90.36       flow     66.81(3)     66.82(6)     66.82(5)     66.82(4)     65.59(2)     62.85(1)     66.81     66.79       forest     100.09(3)     100.13(5)     100.12(4)     98.34(1)     99.47(2)     100.09     100.08       servo     63.62(5)     63.38(1)     63.38(2)     63.43(3)     63.77(6)     63.52(4)     62.67     62.15       slump     87.59(3)     87.61(6)     87.61(5)     87.60(4)     86.05(2)     81.32(1)     87.59     87.55       traffic     38.64(3)     39.03(6)     39.02(5)     38.96(4)     37.39(1)     37.58(2)     38.60     38.16       wine_red     69.24(3)     70.68(6)     70.67(5)     7	wine_white	72.66(3)	73.79(6)	73.71(5)	<b>72.43</b> (1)	72.64(2)	72.66(4)	72.02	60.11
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Avg. Rank	(2.78)	(4.89)	(4.33)	(2.78)	(2.56)	(3.67)	-	_
fertility     95.85(4)     94.17(1)     94.17(2)     94.83(3)     96.66(5)     103.80(6)     92.74     90.36       flow     66.81(3)     66.82(6)     66.82(5)     66.82(4)     65.59(2)     62.85(1)     66.81     66.79       forest     100.09(3)     100.13(6)     100.13(5)     100.12(4)     98.34(1)     99.47(2)     100.09     100.08       servo     63.62(5)     63.38(1)     63.38(2)     63.43(3)     63.77(6)     63.52(4)     62.67     62.15       slump     87.59(3)     87.61(6)     87.61(5)     87.60(4)     86.05(2)     81.32(1)     87.59     87.55       traffic     38.64(3)     39.03(6)     39.02(5)     38.96(4)     37.39(1)     37.58(2)     38.60     38.16       wine_red     69.24(3)     70.68(6)     70.67(5)     70.06(4)     68.94(2)     65.74(1)     69.24     66.52       wine_red     78.33(3)     78.39(6)     78.39(5)     78.36(4)     78.31(2)     73.63(1)     78.33     77.45       Avg. Rank     (3.56)     (	Lasso	Best	BEM	IEW	Caruana		RSWHid	WCH	SCH
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	automobile	18.45(5)	18.45(3)	18.45(2)	18.45(4)	<b>18.19</b> (1)	19.45(6)	18.45	18.45
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	fertility	95.85(4)	94.17(1)	94.17(2)	94.83(3)	96.66(5)	103.80(6)	92.74	90.36
servo     63.62(5)     63.38(1)     63.38(2)     63.43(3)     63.77(6)     63.52(4)     62.67     62.15       slump     87.59(3)     87.61(6)     87.61(5)     87.60(4)     86.05(2)     81.32(1)     87.59     87.55       traffic     38.64(3)     39.03(6)     39.02(5)     38.96(4)     37.39(1)     37.58(2)     38.60     38.16       wine_red     69.24(3)     70.68(6)     70.67(5)     70.06(4)     68.94(2)     65.74(1)     69.24     66.52       wine_white     78.33(3)     78.39(6)     78.39(5)     78.36(4)     78.31(2)     73.63(1)     78.33     77.45       Avg. Rank     (3.56)     (4.56)     (4.00)     (3.78)     (2.44)     (2.67)     -     -       SVR     Best     BEM     IEW     Caruana     RSWH     RSWHid     WCH     SCH       automobile     20.98(4)     84.06(6)     45.64(5)     20.30(1)     20.94(3)     20.31(2)     19.66     9.78	flow	66.81(3)	66.82(6)	66.82(5)	66.82(4)	65.59(2)	62.85(1)	66.81	66.79
slump     87.59(3)     87.61(6)     87.61(5)     87.60(4)     86.05(2)     81.32(1)     87.59     87.55       traffic     38.64(3)     39.03(6)     39.02(5)     38.96(4)     37.39(1)     37.58(2)     38.60     38.16       wine_red     69.24(3)     70.68(6)     70.67(5)     70.06(4)     68.94(2)     65.74(1)     69.24     66.52       wine_white     78.33(3)     78.39(6)     78.39(5)     78.36(4)     78.31(2)     73.63(1)     78.33     77.45       Avg. Rank     (3.56)     (4.56)     (4.00)     (3.78)     (2.44)     (2.67)     -     -       SVR     Best     BEM     IEW     Caruana     RSWH     RSWHid     WCH     SCH       automobile     20.98(4)     84.06(6)     45.64(5)     20.30(1)     20.94(3)     20.31(2)     19.66     9.78	forest	100.09(3)	100.13(6)	100.13(5)	100.12(4)	98.34(1)	99.47(2)	100.09	100.08
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	servo	63.62(5)	<b>63.38</b> (1)	63.38(2)	63.43(3)	63.77(6)	63.52(4)	62.67	62.15
wine_red     69.24(3)     70.68(6)     70.67(5)     70.06(4)     68.94(2)     65.74(1)     69.24     66.52       wine_white     78.33(3)     78.39(6)     78.39(5)     78.36(4)     78.31(2)     73.63(1)     78.33     77.45       Avg. Rank     (3.56)     (4.56)     (4.00)     (3.78)     (2.44)     (2.67)     -     -       SVR     Best     BEM     IEW     Caruana     RSWH     RSWHid     WCH     SCH       automobile     20.98(4)     84.06(6)     45.64(5)     20.30(1)     20.94(3)     20.31(2)     19.66     9.78	slump	87.59(3)	87.61(6)	87.61(5)	87.60(4)	86.05(2)	81.32(1)	87.59	87.55
wine_white     78.33(3)     78.39(6)     78.39(5)     78.36(4)     78.31(2)     73.63(1)     78.33     77.45       Avg. Rank     (3.56)     (4.56)     (4.00)     (3.78)     (2.44)     (2.67)     -     -       SVR     Best     BEM     IEW     Caruana     RSWH     RSWHid     WCH     SCH       automobile     20.98(4)     84.06(6)     45.64(5)     20.30(1)     20.94(3)     20.31(2)     19.66     9.78	traffic	38.64(3)	39.03(6)	39.02(5)	38.96(4)	37.39(1)	37.58(2)	38.60	38.16
Avg. Rank     (3.56)     (4.56)     (4.00)     (3.78)     (2.44)     (2.67)     -     -       SVR     Best     BEM     IEW     Caruana     RSWH     RSWHid     WCH     SCH       automobile     20.98(4)     84.06(6)     45.64(5)     20.30(1)     20.94(3)     20.31(2)     19.66     9.78	wine_red	69.24(3)	70.68(6)	70.67(5)	70.06(4)	68.94(2)	65.74(1)	69.24	66.52
SVR     Best     BEM     IEW     Caruana     RSWH     RSWHid     WCH     SCH       automobile     20.98(4)     84.06(6)     45.64(5)     20.30(1)     20.94(3)     20.31(2)     19.66     9.78		78.33(3)	78.39(6)	78.39(5)	78.36(4)	78.31(2)	73.63(1)	78.33	77.45
automobile 20.98(4) 84.06(6) 45.64(5) <b>20.30</b> (1) 20.94(3) 20.31(2) 19.66 9.78	Avg. Rank	(3.56)	(4.56)	(4.00)	(3.78)	(2.44)	(2.67)	-	_
	SVR	Best	BEM	IEW	Caruana	RSWH	RSWHid	WCH	SCH
	automobile	20.98(4)	84.06(6)	45.64(5)	<b>20.30</b> (1)	20.94(3)	20.31(2)	19.66	9.78
fertility $97.80(5)$ <b>92.72</b> (1) $92.98(2)$ $96.93(4)$ $96.80(3)$ $105.35(6)$ $89.96$ $49.63$	fertility	97.80(5)	92.72(1)	92.98(2)	96.93(4)	96.80(3)	105.35(6)	89.96	49.63
flow $72.96(4)$ $79.59(5)$ $83.35(6)$ $66.26(2)$ $72.86(3)$ <b>63.65</b> (1) $59.75$ $25.32$	flow	72.96(4)	79.59(5)	83.35(6)	66.26(2)	72.86(3)	63.65(1)	59.75	25.32
forest $100.85(4)$ <b>99.22</b> (1) $99.56(3)$ $99.38(2)$ $101.20(6)$ $101.00(5)$ $97.20$ $82.09$	forest	100.85(4)	99.22(1)	99.56(3)	99.38(2)	101.20(6)	101.00(5)	97.20	82.09
servo 22.64(4) 67.92(6) 46.02(5) 22.05(3) <b>19.13</b> (1) 20.16(2) 15.31 10.60	servo	22.64(4)	67.92(6)	46.02(5)	22.05(3)	<b>19.13</b> (1)	20.16(2)	15.31	10.60
slump <b>71.52</b> (2) 92.52(5) 90.71(4) 71.08(1) 164.42(6) 89.02(3) 71.26 17.17	slump	71.52(2)	92.52(5)	90.71(4)	71.08(1)	164.42(6)	89.02(3)	71.26	17.17
traffic $36.96(2)$ $45.02(5)$ $38.79(4)$ $36.33(1)$ $38.02(3)$ $45.25(6)$ $25.45$ $6.12$	traffic	36.96(2)	45.02(5)	38.79(4)	36.33(1)	38.02(3)	45.25(6)	25.45	6.12
wine_red 65.92(4) 67.67(6) 66.52(5) 59.62(3) 57.33(2) <b>57.16</b> (1) 64.48 13.30	$wine\_red$	65.92(4)	67.67(6)	66.52(5)	59.62(3)	57.33(2)	<b>57.16</b> (1)	64.48	13.30
wine_white $72.60(6)$ $70.13(5)$ $68.61(4)$ $61.14(3)$ $57.68(2)$ <b>57.42</b> (1) $70.81$ 12.93	$wine\_white$	72.60(6)	70.13(5)	68.61(4)	61.14(3)	57.68(2)	57.42(1)	70.81	12.93
Avg. Rank (3.89) (4.44) (4.22) (2.22) (3.22) (3.00)	Avg. Rank	(3.89)	(4.44)	(4.22)	(2.22)	(3.22)	(3.00)	-	

Table 6: The 3-fold cross validation relative mean squared error and Friedman ranks for all datasets when the best hyperparameter configuration trial (Best), simple average (BEM), the inverse of the error (IEW), Caruana method (Caruana) 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 GS sampling strategy. The scores for the cheating approaches WCH and SCH are also shown, but they were not included in the computation of the Friedman ranks.