Table 1: The Scott-Knott ranks (r) on the MRE, and the median and interquartile range of MRE, denoted as Med (IQR), of DaL under different local models and their global counterparts. The green cells denote the one with the best rank over all the approaches.

		DaL		DNN		DalrF		RF	۵	Dal		DT	DaLLR		LR		Dalsvr		SVR	_	Dalkrr	 	KRR		Dalenn		KNN
System Si	Size r	Med(IQR)	r	Med(IQR)	7	Med(IQR)	7	Med(IQR)	r	Med(IQR)	r N.	Med(IQR)	r Med(IQR)	3)	r Med(IQR)	7	Med(IQR)	r	Med(IQR)	r	Med(IQR)	r Mec	Med(IQR)	r 1	Med(IQR)	r	Med(IQR)
Š	Size 1 1	21.02(6.64)	2	20.19(6.34)	1	21.39(5.01)		21.20(7.72)	2 2:	21.61(6.69)	2 2	20.85(12.99)	1 19.71(6.80)	80)	5 27.72(4.98)	4	23.30(4.08)	4	22.67(3.66)	9	36.95(3.77)	7 49.5	49.97(14.23)	2	21.71(4.97)	2	22.09(3.33)
ïS	Size 2 2	9.82(5.39)	-	9.79(4.56)	2	10.66(5.81)	2	12.02(6.58)	2 10	10.41(5.04)	1 10	10.06(3.05)	3 11.03(7.55)	12)	5 17.61(2.41)	9	17.59(3.76)	7	20.31(3.18)	∞	34.87(4.66)	9 34.7	34.72(3.83)	4	13.73(4.61)	9	18.64(2.56)
APACHE Si	Size 3 1	7.17(2.67)	2	7.98(1.91)	3	7.93(3.15)	2	7.65(1.46)	4 9.	9.10(1.31)	4 9.	9.03(1.13)	1 7.42(2.14)	4	7 16.16(1.41)	9	15.92(2.45)	6	18.50(1.54)	10	25.88(4.60)	11 33.5	33.54(2.80)	5	11.60(1.49)	∞	17.30(1.39)
Ś	Size 4 2	6.59(1.77)	2	6.85(1.60)	8	6.96(1.32)	2	6.63(1.19)	5 7.	7.97(1.35)	4 7.	7.81(1.35)	1 6.39(1.16)	(9	8 16.12(0.78)	7	13.89(2.35)	6	18.57(1.58)	10	22.79(1.77)	11 32.3	32.31(1.38)	9	11.00(1.44)	∞	15.64(1.46)
S	Size 5 2	5.96(2.07)	4	6.66(1.61)	4	6.51(1.41)	8	6.43(1.11)	5 7.	7.63(1.00)	5 7.	7.71(1.03)	1 5.75(0.55)	(2)	9 16.12(1.37)	7	12.63(1.76)	10	17.82(1.78)	11	21.79(2.07)	12 32.1	32.11(1.43)	9	10.45(1.28)	8	14.75(1.41)
Š	Size 1 2	41.77(32.54)	2	43.66(42.88)	2	58.22(37.41)	9	253.78(93.63)	1 4	47.20(19.75)	1 3	36.17(9.11)	3 65.09(37.30		8 698.12(713.51	1) 3	65.38(22.26)	4	154.71(52.45)	2	64.22(15.94)	7 231.	231.74(136.07)	3	68.32(34.34)	2	201.51(70.38)
Š	Size 2 1	17.22(15.67)	1	18.17(8.11)	3	30.69(29.47)	4	73.41(118.30)	1 1	16.81(8.59)	2 15	19.61(7.19) 7	7 49.04(47.11)	.11)	6 545.48(149.70)	3) 2	70.56(64.18)	2	117.87(49.95)	4	43.14(41.44)	6 280.	280.15(96.55)	5	78.59(42.86)	9	245.08(180.15)
BDB-C Si	Size 3 2	5.74(6.84)	ı,	12.47(4.08)	4	15.30(6.90)	4	18.64(19.42)	3 6.	5.72(5.82)	1 7.	7.44(3.70)	6 29.00(78.81)	.81)	9 465.51(91.79)	8	65.69(155.89)	7	97.22(52.60)	9	26.43(70.74)	9 283.	283.32(39.54)	 	58.12(121.53)	6	279.13(144.62)
Š	Size 4 1	3.68(2.78)	3	9.06(9.76)	3	9.40(3.63)	4	11.32(6.77)	1 4	4.15(2.78)	2 5.	5.74(3.97) 5	5 24.55(4.18)	(8)	9 441.04(85.57)	9	51.04(29.64)	9	93.39(41.17)	2	23.34(4.86)	8 295.	295.23(47.23)	9	60.43(18.64)	7	258.59(144.43)
S	Size 5 1	2.15(1.52)	8	7.08(8.03)	2	6.87(3.29)	4	6.64(3.35)	1 3	3.24(3.09)	1 3.	3.32(2.50)	4 22.88(3.78)	(8)	9 456.02(78.01)	9	46.18(19.08)	7	105.14(56.61)	2	22.11(3.66)	9 316.	316.72(43.94)	9	56.42(16.71)	∞	178.91(128.49)
Š	Size 1 2	3.14(2.90)	2	2.98(3.34)	2	5.05(5.05)	3	8.36(10.48)	1 2	2.98(0.81)	1 3.	3.03(0.99)	9 5.31(2.96)		8 43.23(6.15)	9	22.77(17.72)	4	12.93(3.37)	3	6.42(9.07)	7 34.5	34.58(4.94)	2	20.31(7.60)	2	24.03(7.11)
S	Size 2 4	1.90(0.37)	3	1.91(0.68)	1	1.79(0.35)	-	1.82(0.29)	3 2.	2.05(0.33)	2 1.	1.99(0.29) 4	4 3.77(0.49)	· ·	10 37.85(6.27)	∞	15.28(12.28)	2	10.54(0.97)	4	3.74(0.67)	9 32.2	32.28(6.74)	9	12.00(4.59)	7	14.07(6.61)
BDB-J Si	Size 3 2	1.61(0.31)	3	2.01(1.10)	1	1.58(0.27)	1	1.57(0.21)	2 1.	1.92(0.27)	2 1.	1.87(0.35) 3	3 3.41(0.46)	5)	8 37.61(3.49)	9	15.03(10.36)	2	11.03(0.89)	3	3.32(0.55)	7 32.5	32.51(3.83)	4	9.42(3.95)	4	9.06(2.44)
Š	Size 4 2	1.61(0.29)	4	1.70(0.37)	1	1.41(0.21)	1	1.43(0.21)	3 1.	1.67(0.29)	3 1.	1.69(0.36) 4	4 3.57(0.66)	3	9 37.57(3.48)	∞	9.20(5.36)	∞	11.25(1.35)	2	3.51(0.58)	9 33.1	33.14(3.69)	7	5.99(6.08)	9	5.85(2.05)
S	Size 5 2	1.46(0.26)	4	1.69(0.48)	1	1.40(0.28)	1	1.40(0.23)	3 1.	1.67(0.43)	3 1.	1.68(0.39) 4	4 3.23(0.65)		9 37.48(2.86)	7	8.21(3.87)	∞	11.51(2.21)	2	3.19(0.63)	9 34.1	34.15(3.03)	9	3.68(1.40)	9	3.74(0.92)
Si	Size 1 1	8.04(1.30)	1	8.04(3.06)	3	8.72(2.49)	2	8.18(2.78)	3 8.	8.78(4.06)	3 8.	8.77(2.89) 4	4 10.43(3.40)	_	5 14.36(4.34)	2	14.31(2.24)	6	25.72(2.91)	~	24.55(5.85)	6 19.7	19.75(10.27)	4	11.81(1.31)	7	18.40(1.66)
Si	Size 2 1	3.21(1.95)	-	3.17(1.00)	3	6.50(1.18)	3	6.42(1.20)	3 6	5.44(2.02)	3 6.	6.50(1.63) 2	2 3.65(2.34)	· •	4 8.01(1.23)	7	9.92(2.44)	6	18.83(5.32)	4	7.53(3.80)	5 8.35	8.35(1.40)	9	9.45(1.53)	∞	15.63(2.24)
x264 Si	Size 3 1	1.66(0.57)	2	2.23(0.90)	2	4.92(0.92)	2	4.95(0.85)	4 4	4.74(0.91)	4.	4.72(0.73) 2	2 3.13(2.43)		5 7.61(0.76)	9	7.13(3.03)	6	13.66(2.32)	2	5.10(1.65)	7 7.65	7.69(0.80)	∞	8.95(1.75)	6	13.83(3.45)
S	Size 4 1	1.13(0.63)	2	1.74(0.98)	2	4.07(0.75)	9	4.04(0.86)	3	3.32(1.09)	4 3.	3.65(1.03) 3	3 2.92(2.05)		7 7.34(0.39)	7	5.15(2.95)	10	10.24(1.41)	9	3.66(1.82)	8 7.25	7.29(0.51)	6	8.24(1.51)	11	12.53(2.12)
S	Size 5 1	0.79(0.33)	2	1.44(0.90)	2	2.88(0.76)	9	2.98(0.77)	3 1.	(88)	4 2.	2.37(1.11) 6	6 2.74(2.18)		8 7.17(0.60)	∞	3.62(3.02)	11	9.19(0.76)	7	3.06(1.89)	9 7.05	7.09(0.71)	10	7.45(1.07)	12	11.48(1.54)
Š	Size 1 1	4.66(1.32)	∞	7.09(3.04)	9	16.99(2.70)	2	16.63(2.10)	7 2	21.65(2.31)	7 2.	21.34(2.41) 2	2 7.72(0.80)		11 55.91(19.98)	4	16.00(2.48)	2	16.63(1.38)	3	8.63(1.15)	10 39.6	39.60(11.07)	.v	26.22(2.77)	6	33.80(9.19)
S	Size 2 1	2.66(0.68)	2	3.69(0.61)	2	11.53(1.37)	9	11.46(1.78)	8 15	15.59(1.41)	8 1,	16.43(1.52) 2	2 7.35(0.47)		10 52.54(10.70)	7	15.24(1.32)	∞	16.30(2.16)	4	7.43(0.64)	10 43.2	43.28(9.80)	6	22.77(3.64)	6	21.71(3.19)
HSMGP Si	Size 3 1	1.56(0.20)	2	2.28(0.37)	4	7.38(0.56)	2	7.58(0.67)	7 1	11.35(0.63)	7 1.	11.26(0.98) 2	2 7.14(0.35)		10 51.38(9.85)	9	10.05(0.86)	6	15.03(0.66)	3	7.13(0.30)	10 47.4	47.42(9.96)	∞	14.19(1.59)	∞	14.27(1.63)
Š	Size 4 1	1.49(0.15)	2	2.23(0.39)	3	6.63(0.55)	4	6.88(0.61)	7 1	10.13(0.57)	8 1(	10.14(0.72) 4	4 7.16(0.17)		11 49.63(9.43)	9	8.95(0.90)	10	15.07(0.56)	2	7.16(0.22)	11 45.8	45.84(9.11)	6	12.83(0.87)	6	12.83(1.15)
S.	Size 5 1	1.16(0.08)	2	1.94(0.63)	3	5.13(0.25)	3	5.15(0.28)	7 7	7.46(0.46)	6 7.	7.43(0.34) 1	10 7.15(0.20)		9 49.05(3.00)	4	5.87(0.52)	∞	8.60(0.38)	2	7.14(0.21)	10 45.1	45.16(2.81)	6	9.36(0.58)	6	9.26(0.65)
S	Size 1 1	9.07(1.18)	2	9.70(1.28)	3	11.48(0.85)	3	11.08(0.66)	4 15	12.03(0.93)	4 1.	12.07(1.06) 9	9 12.70(1.22)		8 20.49(1.61)	2	13.06(0.51)	7	14.84(0.62)	4	12.17(0.77)	9 17.7	17.76(1.12)	9	14.10(1.22)	∞	16.86(1.22)
	Size 2 1	5.55(0.60)	7	6.89(1.44)		8.37(0.61)	3	8.46(0.70)	3	8.47(1.10)	3 8.	8.20(1.00)	6 11.64(0.35)	_	10 19.67(0.83)	2	11.27(0.44)	9	14.52(0.54)	2	11.36(0.31)	8 18.2	18.27(0.65)	4	11.07(0.37)	7	16.02(0.69)
HIPA cc Si	Size 3 1	4.39(0.41)	2	4.68(0.90)	3	6.75(0.42)	3	6.69(0.51)	3 6.	5.62(0.80)	3 6.	6.60(0.75) 5	5 11.43(0.34)	_	11 19.35(0.72)	2	10.78(0.28)	∞	14.48(0.57)	9	11.21(0.41)	10 18.8	18.80(0.84)	4	9.79(0.41)	6	15.79(0.66)
Š	Size 4 1	3.22(0.35)	7	3.58(1.00)	4	4.56(0.33)	4	4.47(0.32)	•	4.42(0.22)	3 4.	4.31(0.44) 8	8 11.13(0.25)		11 18.97(0.46)	7	10.31(0.14)	10	12.06(0.25)	∞	11.03(0.25)	11 18.3	18.34(0.52)	9	8.14(0.36)	2	7.95(0.32)
S	Size 5 1	2.39(0.22)	2	2.82(0.57)	3	2.71(0.09)	2	2.69(0.13)	2 2.	2.69(0.15)	2 2.	2.70(0.17) 1	10 11.01(0.15)	7	12 18.81(0.37)	7	10.04(0.09)	∞	10.52(0.24)	6	10.93(0.12)	11 18.4	18.48(0.34)	5	5.77(0.37)	9	6.20(0.59)
Š	Size 1 1	1.59(0.36)	2	4.68(3.27)	4	3.19(0.59)	9	3.32(0.79)	2 2.	2.57(0.70)	3 2.		5 12.72(0.84)	34)	7 43.69(5.81)	6	13.84(0.76)	10	22.37(3.68)	7	12.48(0.87)	12 32.5	32.53(3.29)	10	22.76(2.40)	11	23.86(1.87)
	Size 2 4	1.21(0.09)	S	2.39(1.21)	6	1.41(0.18)	4	1.45(0.16)	1 1	1.24(0.24)	2 1.	1.30(0.22) 4	4 12.42(0.44)	<u>+</u>	8 42.04(3.16)	9	10.30(0.49)	11	23.53(1.46)	7	12.26(0.51)	12 34.5	34.52(2.16)	6	20.95(1.45)	10	21.62(1.59)
VP8 Si	Size 3 1	1.12(0.08)	7	1.93(0.72)	2	1.15(0.15)	2	1.16(0.16)	2 1	1.15(0.12)	3 1.	1.18(0.21) 5	5 12.41(0.34)	34)	11 42.65(2.99)	2	10.11(0.56)	6	25.02(1.93)	9	12.28(0.42)	10 36.1	36.18(2.01)	∞	20.46(1.19)	∞	20.46(1.41)
Š	Size 4 1	1.10(0.06)	2	1.54(0.40)	2	1.02(0.08)	2	1.03(0.11)	2 1	1.07(0.08)	2 1.	1.09(0.08)	3 12.35(0.31)	31)	8 42.08(2.79)	4	9.81(0.36)	9	26.13(1.14)	3	12.30(0.32)	7 36.7	36.70(2.24)	2	20.04(0.84)	9	19.38(0.96)
Š	Size 5 1	1.07(0.05)	2	1.45(0.23)	3	0.85(0.03)	4	0.85(0.03)	2 0	0.94(0.04)	3 0.	0.94(0.05)	6 12.41(0.27)	27)	12 42.69(1.94)	7	9.71(0.21)	10	15.54(0.77)	2	12.36(0.23)	11 39.6	39.07(1.39)	∞	16.69(0.50)	6	16.91(0.66)
Š	Size 1 3	26.40(6.94)	4	35.40(16.59)	2	24.25(11.29)	3	21.71(7.45)	1 1	17.95(10.85)	2 2.	23.50(10.09) 5	5 117.37(24.65)	(4.65)	10 369.45(116.78)	8) 5	59.16(13.29)	2	63.04(23.36)	7	91.09(20.87)	9 259.	259.82(85.61)	9	62.85(14.79)	2	57.77(8.08)
Š	Size 2 3	15.37(6.04)	4	21.46(4.53)	2	10.71(2.06)	2	10.18(2.12)	1 9	9.09(2.56)	2 10	10.47(4.94) 5	5 109.11(20.26)	0.26)	8 315.34(66.07)	9	63.84(11.18)	9	61.82(34.55)	7	92.08(18.31)	9 266.	266.54(39.81)	5	49.05(4.48)	2	49.30(4.05)
LRZIP Si	Size 3 3	11.83(4.53)	4	18.68(3.20)	2	8.03(1.01)	1	7.90(1.27)	1 7	7.77(2.09)	2 8.	8.62(4.75)	6 104.20(17.55)	7.55)	9 322.55(50.28)	_	63.91(13.58)	9	66.09(41.44)	∞	92.48(18.85)	10 276.	276.22(39.10)	5	16.39(3.86)	2	46.20(7.19)
Si	Size 4 3	10.10(3.23)	4	15.55(1.71)	4	6.54(1.58)	7	(6.51(0.69)	1 6	6.38(2.72)	2 7.	8 2.76) 8	8 103.74(14.29)	4.29)	10 323.59(56.77)	2	65.19(12.53)	3	69.07(5.93)	9	93.27(11.75)	9 284.	284.33(43.40)	5	44.80(5.06)	∞	45.86(5.10)
Š	Size 5 3	6.60(1.34)	4	10.17(0.91)	1	3.31(0.87)	3	3.67(1.31)	1 3	3.58(0.97)	2 4.	1.47(1.90) 7	7 105.83(7.06)		9 327.20(27.08)	_	48.80(2.86)	∞	51.27(2.21)	6	98.66(7.44)	11 293.	293.61(23.26)	2	28.71(3.40)	9	30.31(7.80)
Average	1.0	1.625	2.775	.5	2.9		3.375		2.95		3.15		4.625	_	8.575	9		7.475	5	5.85		9.125		6.25		7.35	