true/predict	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	18747 (77.75)	1296 (5.37)	1666 (6.91)	475 (1.97)	282 (1.17)	130 (0.54)	370 (1.53)	107 (0.44)	81 (0.34)	123 (0.51)	114 (0.47)	162 (0.67)	141 (0.58)	42 (0.17)	18 (0.07)	34 (0.14)	6 (0.02)	36 (0.15)	45 (0.19)	20 (0.08)
2	1283 (5.13)	20812 (83.15)	818 (3.27)	460 (1.84)	221 (0.88)	130 (0.52)	366 (1.46)	132 (0.53)	58 (0.23)	117 (0.47)	37 (0.15)	75 (0.30)	169 (0.68)	47 (0.19)	33 (0.13)	27 (0.11)	11 (0.04)	54 (0.22)	50 (0.20)	10 (0.04)
3	1684 (7.04)	1043 (4.36)	16765 (70.05)	909 (3.80)	1038 (4.34)	175 (0.73)	316 (1.32)	263 (1.10)	363 (1.52)	175 (0.73)	70 (0.29)	297 (1.24)	179 (0.75)	58 (0.24)	41 (0.17)	49 (0.20)	27 (0.11)	29 (0.12)	100 (0.42)	39 (0.16)
4	419 (3.89)	378 (3.51)	1333 (12.38)	7724 (71.72)	205 (1.90)	44 (0.41)	125 (1.16)	64 (0.59)	70 (0.65)	55 (0.51)	5 (0.05)	57 (0.53)	107 (0.99)	7 (0.06)	5 (0.05)	9 (0.08)	14 (0.13)	14 (0.13)	18 (0.17)	7 (0.06)
5	296 (4.40)	275 (4.09)	1474 (21.93)	251 (3.73)	3831 (57.00)	33 (0.49)	92 (1.37)	65 (0.97)	104 (1.55)	40 (0.60)	11 (0.16)	39 (0.58)	68 (1.01)	11 (0.16)	6 (0.09)	12 (0.18)	6 (0.09)	7 (0.10)	17 (0.25)	16 (0.24)
6	160 (1.04)	159 (1.03)	449 (2.92)	48 (0.31)	35 (0.23)	14302 (92.89)	9 (0.06)	14 (0.09)	7 (0.05)	105 (0.68)	1 (0.01)	17 (0.11)	42 (0.27)	2 (0.01)	2 (0.01)	0 (0.00)	0 (0.00)	6 (0.04)	6 (0.04)	1 (0.01)
7	429 (5.71)	491 (6.53)	582 (7.75)	155 (2.06)	117 (1.56)	14 (0.19)	5328 (70.91)	15 (0.20)	24 (0.32)	28 (0.37)	9 (0.12)	171 (2.28)	20 (0.27)	5 (0.07)	9 (0.12)	62 (0.83)	0 (0.00)	0 (0.00)	3 (0.04)	19 (0.25)
8	186 (5.85)	210 (6.61)	717 (22.56)	196 (6.17)	115 (3.62)	19 (0.60)	24 (0.76)	1443 (45.41)	49 (1.54)	19 (0.60)	16 (0.50)	14 (0.44)	66 (2.08)	17 (0.53)	4 (0.13)	9 (0.28)	3 (0.09)	5 (0.16)	10 (0.31)	5 (0.16)
9	73 (2.11)	73 (2.11)	628 (18.19)	226 (6.55)	130 (3.77)	5 (0.14)	6 (0.17)	45 (1.30)	2139 (61.96)	13 (0.38)	0 (0.00)	1 (0.03)	19 (0.55)	3 (0.09)	0 (0.00)	2 (0.06)	2 (0.06)	2 (0.06)	33 (0.96)	1 (0.03)
10	112 (2.81)	124 (3.11)	141 (3.54)	67 (1.68)	41 (1.03)	61 (1.53)	24 (0.60)	9 (0.23)	4 (0.10)	3239 (81.26)	3 (0.08)	16 (0.40)	34 (0.85)	4 (0.10)	11 (0.28)	2 (0.05)	0 (0.00)	17 (0.43)	1 (0.03)	2 (0.05)
11	402 (6.95)	108 (1.87)	397 (6.87)	24 (0.42)	22 (0.38)	1 (0.02)	76 (1.31)	19 (0.33)	1 (0.02)	14 (0.24)	4625 (80.00)	7 (0.12)	8 (0.14)	3 (0.05)	2 (0.03)	8 (0.14)	1 (0.02)	19 (0.33)	4 (0.07)	2 (0.03)
12	188 (5.61)	151 (4.51)	636 (18.99)	88 (2.63)	71 (2.12)	27 (0.81)	256 (7.64)	24 (0.72)	9 (0.27)	15 (0.45)	3 (0.09)	1794 (53.57)	26 (0.78)	1 (0.03)	3 (0.09)	3 (0.09)	1 (0.03)	4 (0.12)	4 (0.12)	28 (0.84)
13	147 (5.77)	232 (9.11)	169 (6.63)	88 (3.45)	41 (1.61)	41 (1.61)	15 (0.59)	49 (1.92)	12 (0.47)	36 (1.41)	5 (0.20)	8 (0.31)	1619 (63.54)	6 (0.24)	4 (0.16)	4 (0.16)	0 (0.00)	32 (1.26)	2 (0.08)	1 (0.04)
14	208 (11.29)	139 (7.54)	238 (12.91)	26 (1.41)	40 (2.17)	7 (0.38)	8 (0.43)	27 (1.47)	3 (0.16)	15 (0.81)	4 (0.22)	5 (0.27)	8 (0.43)	1092 (59.25)	1 (0.05)	2 (0.11)	1 (0.05)	1 (0.05)	5 (0.27)	0 (0.00)
15	84 (4.90)	509 (29.71)	277 (16.17)	32 (1.87)	46 (2.69)	6 (0.35)	19 (1.11)	17 (0.99)	8 (0.47)	19 (1.11)	3 (0.18)	6 (0.35)	6 (0.35)	2 (0.12)	650 (37.95)	1 (0.06)	1 (0.06)	1 (0.06)	2 (0.12)	0 (0.00)
16	37 (1.61)	137 (5.97)	105 (4.58)	24 (1.05)	18 (0.78)	10 (0.44)	226 (9.86)	9 (0.39)	1 (0.04)	11 (0.48)	0 (0.00)	13 (0.57)	6 (0.26)	2 (0.09)	4 (0.17)	1656 (72.22)	0 (0.00)	0 (0.00)	3 (0.13)	6 (0.26)
17	41 (4.02)	60 (5.88)	466 (45.64)	190 (18.61)	83 (8.13)	7 (0.69)	11 (1.08)	25 (2.45)	11 (1.08)	8 (0.78)	1 (0.10)	7 (0.69)	5 (0.49)	2 (0.20)	5 (0.49)	2 (0.20)	75 (7.35)	1 (0.10)	4 (0.39)	3 (0.29)
18	56 (7.84)	66 (9.24)	45 (6.30)	27 (3.78)	10 (1.40)	7 (0.98)	8 (1.12)	5 (0.70)	3 (0.42)	31 (4.34)	9 (1.26)	3 (0.42)	50 (7.00)	1 (0.14)	1 (0.14)	0 (0.00)	1 (0.14)	369 (51.68)	0 (0.00)	0 (0.00)
19	44 (2.68)	42 (2.56)	107 (6.53)	15 (0.92)	14 (0.85)	2 (0.12)	1 (0.06)	6 (0.37)	27 (1.65)	1 (0.06)	1 (0.06)	1 (0.06)	6 (0.37)	2 (0.12)	1 (0.06)	1 (0.06)	0 (0.00)	0 (0.00)	1353 (82.55)	0 (0.00)
20	20 (4.65)	2 1(4.88)	119 (27.67)	8 (1.86)	28 (6.51)	4 (0.93)	11 (2.56)	9 (2.09)	0 (0.00)	1 (0.23)	0 (0.00)	38 (8.84)	7 (1.63)	2 (0.47)	0 (0.00)	0 (0.00)	0 (0.00)	1 (0.23)	1 (0.23)	157 (36.51)