

Supplementary Information

Table S1: Regression models' parameters and their most possible values used in this study

Regression Model	Parameters	Parameter Values
MLP	solver	Adam, lbfgs, sgd
	learning rate	0.1, constant
	batch_size	Auto, 12
	activation	Logistic, tanh, relu
XGB	n_estimators	100, 200, 300, 400, 500
	colsample_bytree	0.7, 0.8
	max_depth	1, 3, 6, 12
	reg_alpha	1.1, 1.2, 1.3
	reg_lambda	1.1, 1.2, 1.3
	subsample	0.7, 0.8, 0.9
LGB	n_estimator	100, 200, 300, 400, 500
	learning_rate	0.1, 0.12, 0.15
	colsample_bytree	0.7, 0.8
	max_depth	1, 3, 6, 12
	num_leaves	1, 3, 5, 10, 20
	reg_alpha	1.1, 1.2
	reg_lambda	1.1, 1.2
	min_split_gain	0.3, 0.4
	subsample	0.7, 0.8, 0.9
	subsample_freq	10, 20
SVR	kernel	linear, poly, rbf, sigmoid
	degree	1, 2, 3
	gamma	scale, auto
RDF	n_estimators	100, 200, 300, 400, 500
	max_features	Auto, sqrt
	max_depth	1, 3, 6, 12
	min_sample_split	1, 3, 6
	min_sample_leaf	1, 3, 6
	bootstrap	true