Model	Optimize	Range of values
Linear Regression	fit_intercept	True/False
	normalize	True/False
Ridge	alpha	0.01, 0.1, 1.0, 10, 100
	fit_intercept	True/False
	normalize	True/False
k-neighbors	n_neighbors	2, 4, 8, 16 ….
	p	2, 3
SVM	C	0.001,0.01..10..100..1000
	gamma	'auto', RS*
	class_weight	'balanced' , None
Logistic Regression	Penalty	l1 or l2
	C	0.001, 0.01…..10…100
Lasso	Alpha	0.1, 1.0, 10
	Normalize	True/False
Random Forest	n_estimators	120, 300, 500, 800, 1200
	max_depth	5, 8, 15, 25, 30, None
	min_samples_split	1, 2, 5, 10, 15, 100
	min_samples_leaf	1, 2, 5, 10
	max_features	log2, sqrt, None
XGBoost	eta	0.01,0.015, 0.025, 0.05, 0.1
	gamma	0.05-0.1,0.3,0.5,0.7,0.9,1.0
	max_depth	3, 5, 7, 9, 12, 15, 17, 25
	min_child_weight	1, 3, 5, 7
	subsample	0.6, 0.7, 0.8, 0.9, 1.0
	colsample_bytree	0.6, 0.7, 0.8, 0.9, 1.0
	lambda	0.01-0.1, 1.0 , RS*
	alpha	0, 0.1, 0.5, 1.0 RS*