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