

Table 1: Model complexity: n is the number of training samples, f the number of features, n_{trees} is the number of trees.

Machine learning model	Training complexity	Hyperparameters
Logistic regression	$O(nf)$	C
SVM with linear kernel	$O(nf)$	C
SVM with radial basis kernel	$O(n^2f)$	C, σ
Decision tree	$O(n^2f)$	tree depth
Random forest	$O(n^2fn_{trees})$	number of features
XGBoost	$O(nfn_{trees})?$	