Supplemental Table. Algorithms’ parameters. This table illustrates parameter details of each algorithm.

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| --- | --- |
| Algorithms | Parameters |
| Decision Tree | {'max\_depth': 2, 'max\_leaf\_nodes': 4, 'min\_samples\_leaf': 60} |
| Random Forest | {'max\_depth': 11, 'max\_leaf\_nodes': 13, 'min\_samples\_leaf': 70} |
| Logistic regression | default |
| Naïve Bayes | default |
| Gradient Boosting Decision Tree | GradientBoostingClassifier(criterion='friedman\_mse', init=None, learning\_rate=0.2, loss='deviance', max\_depth=11, max\_features=3, max\_leaf\_nodes=None, min\_impurity\_split=1e-07, min\_samples\_leaf=26, min\_samples\_split=4, min\_weight\_fraction\_leaf=0.0, n\_estimators=110, presort='auto', random\_state=None, subsample=0.7, verbose=0, warm\_start=False) |
| Adaptive Boost | AdaBoostClassifier(algorithm='SAMME.R', base\_estimator=DecisionTreeClassifier(class\_weight=None, criterion='gini', max\_depth=5, max\_features=4, max\_leaf\_nodes=None, min\_impurity\_split=1e-07, min\_samples\_leaf=4, min\_samples\_split=10, min\_weight\_fraction\_leaf=0.0, presort=False, random\_state=None, splitter='best'), learning\_rate=0.2, n\_estimators=124, random\_state=None) |
| Extreme Gradient Boost | {'max\_depth': 2, 'min\_child\_weight': 20} |