|  |  |  |
| --- | --- | --- |
| Model | R package/function | Parameter |
| ANN | neuralnet/neuralnet | hidden=c(5,2), linear.output=T |
| SVM | e1071/svm | kernel = "linear" |
| GLM | glm |  |
| KNN | kknn/train.kknn | k = 22 |
| GBDT | gbm/gbm | n.trees = 252, shrinkage = 0.01 |
| XGBoost | xgboost/xgb.train | nrounds = 5, booster="gbtree", nfold=3 |
| LightGBM | lightgbm/lgb.train | nrounds = 500, early\_stopping\_rounds = 40 |

Table S1. Parameters used in the machine learning models.