

ML := Statement*
 Statement := Assign
 | Primitive
 Assign := ID "=" Expression
 Expression := Primitive
 | Constant
 Primitive := Print
 | Algo_Choose
 | Read
 | Strategy_Choose
 | Column
 | Metric
 | Predict
 Constant := INT
 | DOUBLE
 | STRING
 | ID
 Print := "print" Constant
 Algo_Choose := "use_algorithm" ALGO_NAME
 ALGO_NAME := "tree"
 | "svm"
 Read := read Constant Sep?
 Sep := ";"
 | ","
 Strategy_Choose := "use_strategy" "train_test" Constant
 | "use_strategy" "cross_valid" Constant?
 Column := "use_column" Constant*
 | "unuse_column" Constant*
 | "predict_column" Constant
 Metric := "accuracy"
 | "recall"
 | "f1"
 Predict := "predict"