#

library(readxl)

library(caret)

library(randomForest)

library(writexl)

#

trainData <- read\_excel("C:/Users/Liu/Desktop/14ta.xlsx")

testData <- read\_excel("C:/Users/Liu/Desktop/14te.xlsx")

#

set.seed(3)

#

str(trainData)

str(testData)

#

testData <- testData[ , colnames(trainData)]

#

controlD <- trainControl(method = "cv", number = 10, search = "grid")

#

rf\_model <- train(

AGB ~ .,

data = trainData,

method = 'rf',

trControl = controlD

)

#

print(rf\_model)

#

predictions <- predict(rf\_model, newdata = testData)