Model Building

Random Forest Model

Date	4 september 2022
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Project Name	Smart Lender- Applicant Credibility Prediction for Loan Approval

A function named randomForest is created and train and test data are passed as the parameters. Inside the function, the RandomForestClassifier algorithm is initialized and training data is passed to the model with .fit() function.

Test data is predicted with .predict() function and saved in a new variable. For evaluating the model, a confusion matrix and classification report are done.

```python
def randomForest(x_train, x_test, y_train, y_test):
    rf = RandomForestClassifier()
    rf.fit(x_train,y_train)
    yPred = rf.predict(x_test)
    print('***RandomForestClassifier***')
    print('Confusion matrix')
    print(confusion_matrix(y_test,yPred))
    print('Classification report')
```