Hyperparameter Tuning

↳ Finding the best parameters while training the model

① GridSearchCV

② RandomizedSearchCV

1) GridSearchCV [Grid Search + CROSS VALIDATION] [CV=5]

logistic Regression

⇓

CV ⇒ K fold CV

k=5

TRAIN AND VALIDATION = 5

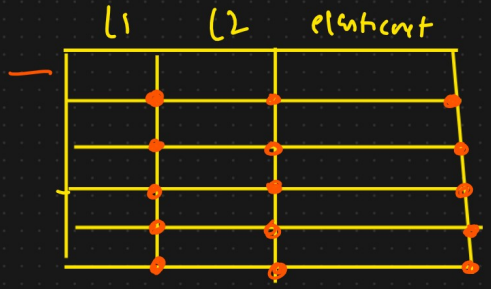
⇓

Average Accuracy ⇒

model : LogisticRegression(elasticnet, newton-cg)

⇓

model.predict(new_data)



Increase the Model Performance or Accuracy

Disadvantage

① Time Complexity increases for Training the Model

② RandomizedSearchCV ←

n_iter = 10 + CV=5

10 different Combination + CV=5

Advantage

1. Time Complexity Decrease