uploading data file …

data was uploaded successfully , 5.74 seconds

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starting decision tree classifier on the data …

accuracy : 0.8309018567639257

time : 2.55 seconds

tuning parameters to optimize model …

best estimation : {'model': 'DecisionTreeClassifier', 'max_depth': 8, 'min_samples_split': 2}

building new tree model by the best parameters (train+validation)...

accuracy : 0.86

time : 9.34 min

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starting random forest classifier on the data …

accuracy : 0.7927718832891246

time : 3.17 seconds

tuning parameters to optimize model …

optimizing time : 4.28 min

best estimation : {'model': 'RandomForestClassifier', 'n_estimators': 15, 'max_depth': 15, 'min_samples_split': 4}

building new forest model by the best parameters (train + validation)…

accuracy : 0.86

time : 89.19 seconds

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starting decision tree regression on the data …

MSE : 6.786799688518796

time : 2.20 seconds

tuning parameters to optimize model …

best estimation : {'model': 'DecisionTreeRegressor', 'max_depth': 8, 'min_samples_split': 9}

building new tree model with the best parameters (train+validation)…

MSE : 5.80

time : 6.52 seconds

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starting random forest regression on the data …

MSE : 6.559003316586464

time : 3.40 seconds

tuning parameters to optimize model …

optimizing time : 9.84 min

best estimation : {'model': 'RandomForestRegressor', 'n_estimators': 19, 'max_depth': 13, 'min_samples_split': 7}

building new forest model by the best parameters (train + validation)…

mse : 5.262162198424694

time : 170.25 seconds

Process finished with exit code 0