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COURSE: MACHINE LEARNING

ASSIGNMENT: PWH1_LAB

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BestClassifier

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BestClassifier(X,y,to_scale =None,t_encode=None)
```

BestClassifier:

Find the best combination of scaler, encoder, fitting algorithm
print best score and best combination

Parameters

X: DataFrame of predictors

y: DataFrame of labels

to_scale:
option whether the data is to be scaled = True if t needs scaling ., None if there is no need of encoding

to_encode:
an option whether the data is to be encoded if t needs ecncoding, None if there is no need of encoding :
scalers: list of scalers

Attributes
Scalers List :
[StandardScaler(), MinMaxScaler(), MaxAbsScaler(), RobustScaler()]
if you want to scale other ways, then put the sclaer in list

Encoders list
[OrdinalEncoder(), OneHotEncoder(),SVC(),]
if you want to use only one, put a encoder in list

Models list

[DecisionTreeClassifier(criterion='entropy'),DecisionTreeClassifier(criterion='gini') ,LogisticRegression(),SVC()]
if you want to fit other ways, then put the model in the list