

```

import os
import pandas as pd
import numpy as np
import warnings

from sklearn.model_selection import train_test_split
from sklearn.pipeline import make_pipeline
from sklearn.preprocessing import RobustScaler
from sklearn.linear_model import LinearRegression, Lasso, ElasticNet
from sklearn.kernel_ridge import KernelRidge


from sklearn.ensemble import BaggingRegressor

from sklearn.ensemble import GradientBoostingRegressor
import xgboost as xgb
import lightgbm as lgb
from sklearn.ensemble import StackingRegressor

from sklearn.model_selection import cross_val_score
from sklearn.model_selection import cross_val_predict
from sklearn.metrics import mean_squared_error

# Global settings
warnings.filterwarnings("ignore") # To ignore warnings
n_jobs = -1 # This parameter controls the parallel processing. -1 means using all processors
random_state = 42


```

 /usr/local/lib/python3.10/dist-packages/dask/dataframe/__init__.py:42: FutureWarning: Dask dataframe query planning is disabled because dask-expr is not installed.

You can install it with `pip install dask[dataframe]` or `conda install dask`. This will raise in a future version.

```


    warnings.warn(msg, FutureWarning)

```

```

data = pd.read_csv('/content/wine.csv')
x=data.iloc[:,1:13]
print(X.shape)
x.head(5)

```

 (178, 14)

	Alcohol	Malic.acid	Ash	Ac1	Mg	Phenols	Flavanoids	Nonflavanoid.phenols	Pro
0	14.23	1.71	2.43	15.6	127	2.80	3.06	0.28	
1	13.20	1.78	2.14	11.2	100	2.65	2.76	0.26	
2	13.16	2.36	2.67	18.6	101	2.80	3.24	0.30	