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import numpy as np
from sklearn.model_selection import train_test_split
from sklearn import datasets
from sklearn import svm

data = pd.read_csv("Volumetric_features.csv")

X = data.drop(["Age"], axis=1)
y = data.Age.values

from sklearn.model_selection import train_test_split
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size =
0.25, random_state = 0)

from sklearn.ensemble import RandomForestRegressor

regressor = RandomForestRegressor(n_estimators = 50, random_state = 0)

regressor.fit(X_train, y_train)

RandomForestRegressor(n_estimators=50, random_state=0)

y_pred = regressor.predict(X_test)

from sklearn import metrics
print('Mean Absolute Error:', metrics.mean_absolute_error(y_test,
y_pred))
print('Mean Squared Error:', metrics.mean_squared_error(y_test,
y_pred))
print('Root Mean Squared Error:',
np.sqrt(metrics.mean_squared_error(y_test, y_pred)))

Mean Absolute Error: 5.146035950804163
Mean Squared Error: 51.340345127719964
Root Mean Squared Error: 7.165217730656896

from sklearn.metrics import r2_score
#y_rnd_bagged_test = regr.predict(x_test
r2 = r2_score(y_test, y_pred)
print("Training R^2 for Random Trees Model: ", r2)

Training R^2 for Random Trees Model:  0.8749877613790605
```