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In [2]: # Import necessary modules
from sklearn.linear_model import LinearRegression
from sklearn.metrics import mean_squared_error
from sklearn.model_selection import train_test_split

import pandas as pd
#import matplotlib.pyplot as plt
import numpy as np

# Read the CSV file into a DataFrame: df
df = pd.read_csv('project_data_014.csv')

y = df['target'].values
X = df.drop(['x1', 'x2'], axis=1).values

# Create training and test sets
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 0.3, random_state=42)

# Create the regressor: reg_all
reg_all = LinearRegression()

# Fit the regressor to the training data
reg_all.fit(X_train, y_train)

# Predict on the test data: y_pred
y_pred = reg_all.predict(X_test)

# Compute and print R^2 and RMSE
print("R^2: {}".format(reg_all.score(X_test, y_test)))
rmse = np.sqrt(mean_squared_error(y_test, y_pred))
print("Root Mean Squared Error: {}".format(rmse))

R^2: 0.8380468731430135
Root Mean Squared Error: 3.2476010800369455
```

In []: