Regretion:

import pandas as pd

import numpy as np

from sklearn.model\_selection import train\_test\_split

from google.colab import drive

drive.mount("/content/gdrive")

import pandas as pd

data=pd.read\_csv('/content/gdrive/My Drive/energydata\_complete.csv')

x = data.iloc[:, 1].values

y = data.iloc[:, 2].values

x = x.reshape(-1,1)

X\_train, X\_test, y\_train, y\_test = train\_test\_split(x, y, test\_size=0.2, random\_state=0)

from sklearn.linear\_model import LinearRegression

regressor = LinearRegression()

regressor.fit(X\_train, y\_train)

from sklearn.metrics import mean\_squared\_error, r2\_score

y\_pred = regressor.predict(X\_test)

mse = mean\_squared\_error(y\_test, y\_pred)

r2 = r2\_score(y\_test, y\_pred)

print('Mean Squared Error:', mse)

print('R-Squared Score:', r2)

import matplotlib.pyplot as plt

import numpy as np

from sklearn.linear\_model import LinearRegression

reg = LinearRegression().fit(x, y)

plt.scatter(x, y, color='blue')

plt.plot(x, reg.predict(x), color='red')

plt.xlabel('Independent variable')

plt.ylabel('Dependent variable')

plt.title('Linear Regression')

plt.show()

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