from array import array

import pandas as pd

import numpy as np

from sklearn.linear\_model import LinearRegression

from sklearn import linear\_model

import matplotlib.pyplot as plt

df=pd.read\_csv("C:\\Users\\naman\\Desktop\\Regression Anlysis\\code\\final\_project\\final.csv" )

print(df)

x = df[['c', 's']]

x1 = df[['c']]

y = df['p']

regr = linear\_model.LinearRegression()

regr1= linear\_model.LinearRegression()

regr.fit(x, y)

regr1.fit(x1,y)

print(regr.coef\_) # coco +spy

print(regr1.coef\_) ## only coco

print(regr.score(x, y))

print(regr1.score(x1, y))

y\_pred = regr.predict(x)

plt.scatter(x1,y,color="b",marker="o",s=10)

coef=regr1.coef\_

intc=regr1.intercept\_

line=intc + coef\*x1

plt.plot(x1,line,color="y")

plt.xlabel('Coca-cola price')

plt.ylabel('Pepsi price')

plt.title('Pepsi price predicted just by coca-cola')

plt.show()