

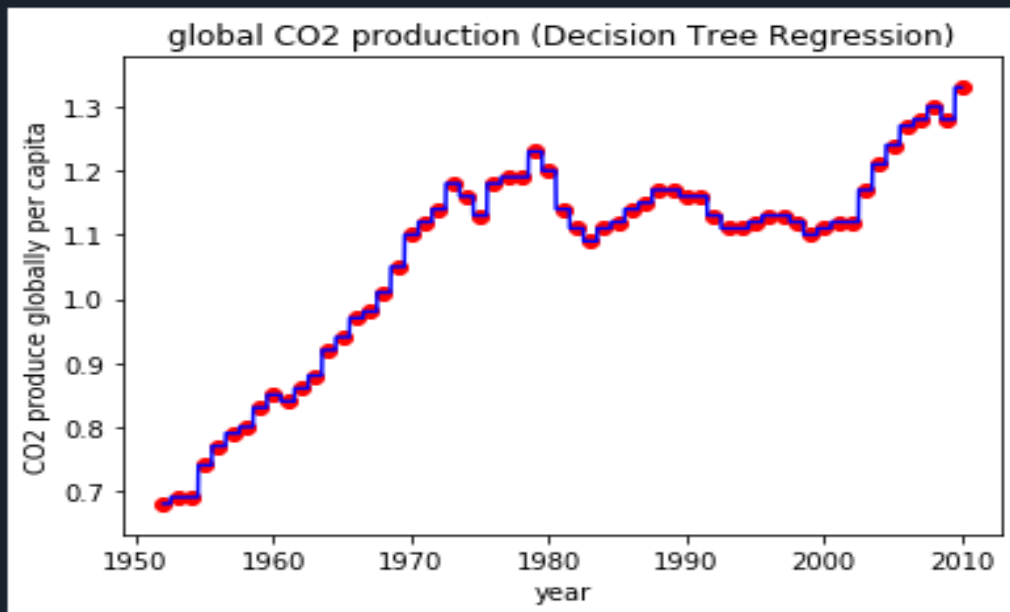
```

1  # -*- coding: utf-8 -*-
2  """
3  Created on Thu Apr  9 03:42:02 2020
4
5  @author: Arshiya Anwer
6
7  """
8  # Importing the libraries
9  import numpy as np
10 import matplotlib.pyplot as plt
11 import pandas as pd
12
13 # Importing the dataset
14 dataset = pd.read_csv('C:/Users/Tasmiya Anwer/Desktop/global CO2/global_co2.csv')
15 X = dataset.iloc[201:, 0:1].values
16 print(X)
17 y = dataset.iloc[201:, -1].values
18 print(y)
19
20 # Splitting the dataset into the Training set and Test set
21 """from sklearn.cross_validation import train_test_split
22 X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 0.2, random_state = 0)"""
23
24
25 # Fitting Decision Tree Regression to the dataset
26 from sklearn.tree import DecisionTreeRegressor
27 regressor = DecisionTreeRegressor(random_state = 0)
28 regressor.fit(X, y)
29
30 # Predicting a CO2 emission in year 2011,2012,2013
31
32 a= regressor.predict([[2011]])
33 print('global production of CO2 in year 2011')
34 print(a)
35 b=regressor.predict([[2012]])
36 print(' global production of CO2 in year 2012')
37 print(b)
38 c=regressor.predict([[2013]])
39 print('global production of CO2 in year 2013')
40 print(c)
41
42 # Visualising the Decision Tree Regression results (higher resolution)
43 X_grid = np.arange(min(X), max(X), 0.01)
44 X_grid = X_grid.reshape((len(X_grid), 1))
45 plt.scatter(X, y, color = 'red')
46 plt.plot(X_grid, regressor.predict(X_grid), color = 'blue')
47 plt.title('global CO2 production (Decision Tree Regression)')
48 plt.xlabel('year')
49 plt.ylabel('CO2 produce globally per capita')
50 plt.show()

```

OUTPUT:

```
global production of CO2 in year 2011  
[1.33]  
global production of CO2 in year 2012  
[1.33]  
global production of CO2 in year 2013  
[1.33]
```



In [2]:

IPython console

History