```
pwd
```

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'C:\\Users\\tiver'
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```
import pandas
from sklearn import linear_model

df = pandas.read_csv("cars.csv")

X = df[['Weight', 'Volume']].values
y = df['CO2'].values

regr = linear_model.LinearRegression()
regr.fit(X, y)

#predict the CO2 emission of a car where the weight is 1150kg, and the volume is 1600cm3:
predictedCO2=regr.predict([[1150, 1600]])
print(predictedCO2)

#predict the CO2 emission of a car where the weight is 2300kg, and the volume is 1300cm3:
predictedCO2 = regr.predict([[2300, 1300]])
print(predictedCO2)
```

```
[100.8667207]
[107.2087328]
```

```
X
```

```
array([[ 790, 1000],
       [1160, 1200],
       [ 929, 1000],
       [ 865,  900],
       [1140, 1500],
       [ 929, 1000],
       [1109, 1400],
       [1365, 1500],
       [1112, 1500],
       [1150, 1600],
       [ 980, 1100],
       [ 990, 1300],
       [1112, 1000],
       [1252, 1600],
       [1326, 1600],
       [1330, 1600],
       [1365, 1600],
       [1280, 2200],
       [1119, 1600],
       [1328, 2000],
       [1584, 1600],
       [1428, 2000],
       [1365, 2100],
       [1415, 1600],
       [1415, 2000],
       [1465, 1500],
       [1490, 2000],
       [1725, 2000],
       [1523, 1600],
       [1705, 2000],
       [1605, 2100],
       [1746, 2000],
       [1235, 1600],
       [1390, 1600],
       [1405, 1600],
       [1395, 2500]], dtype=int64)
```

```
print(regr.intercept_)
print(regr.coef_)
```

```
79.69471929115939
[0.00755095 0.00780526]
```