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Batch: B3

Course Code: CSI0402

Practical 8

Source Code:

```
from scipy.stats import geom
#Multiple Regression
import sklearn.metrics
import pandas
from sklearn import linear_model
df = pandas.read_csv("cars.csv")
X = df[['Weight', 'Volume']]
y = df['CO2']
regr = linear_model.LinearRegression()
regr.fit(X, y)
predictedCO2 = regr.predict([[2300, 1300]])
print("CO2 predicted value:",predictedCO2)
print("Regression values for weight and volume: " ,regr.coef_)
```

OUTPUT:

```
/opt/virtualenvs/python3/lib/python3.8/site-packages/sklearn/base.py
 UserWarning: X does not have valid feature names, but LinearRegression
as fitted with feature names
  warnings.warn(
CO2 predicted value: [107.2087328]
Regression values for weight and volume:  [0.00755095 0.00780526]
>
```