

STUDENTS.CSV

Untitled1.ipynb

carss.csv

Code

```
[6]: import pandas as pd
      car_df=pd.read_csv("carss.csv")
```

```
[7]: car_df
```

	Car	Model	Volume	Weight	CO2
0	Toyoty	Aygo	1000	790	99
1	Mitsubishi	Space Star	1200	1160	95
2	Skoda	Citigo	1000	929	95
3	Fiat	500	900	865	90
4	Mini	Cooper	1500	1140	105
5	VW	Up!	1000	929	105
6	Skoda	Fabia	1400	1109	90
7	Mercedes	A-Class	1500	1365	92
8	Ford	Fiesta	1500	1112	98
9	Audi	A1	1600	1150	99
10	Hyundai	I20	1100	980	99
11	Suzuki	Swift	1300	990	101
12	Ford	Fiesta	1000	1112	99
13	Honda	Civic	1600	1252	94
14	Hundai	I30	1600	1326	97
15	Opel	Astra	1600	1330	97
16	BMW	1	1600	1365	99
17	Mazda	3	2200	1280	104
18	Skoda	Rapid	1600	1119	104
19	Ford	Focus	2000	1328	105
20	Ford	Mondeo	1600	1584	94
21	Opel	Insignia	2000	1428	99
22	Mercedes	C-Class	2100	1365	99
23	Skoda	Octavia	1600	1415	99



Maps

Kernel Tabs Settings Help

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34	Opel	Zafira	1000	1400	109
35	Mercedes	SLK	2500	1395	120

```
[8]: x=car_df[['Weight','Volume']]  
     y=car_df['CO2']
```

```
[9]: x
```

```
[9]:
```

	Weight	Volume
--	--------	--------

0	790	1000
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1	1160	1200
---	------	------

2	929	1000
---	-----	------

3	865	900
---	-----	-----

4	1140	1500
---	------	------

5	929	1000
---	-----	------

6	1109	1400
---	------	------

7	1365	1500
---	------	------

8	1112	1500
---	------	------

9	1150	1600
---	------	------

10	980	1100
----	-----	------

11	990	1300
----	-----	------

12	1112	1000
----	------	------

13	1252	1600
----	------	------

14	1326	1600
----	------	------

15	1330	1600
----	------	------

16	1365	1600
----	------	------

17	1280	2200
----	------	------

18	1119	1600
----	------	------

19	1328	2000
----	------	------

20	1584	1600
----	------	------

21	1428	2000
----	------	------

22	1365	2100
----	------	------



Settings Help

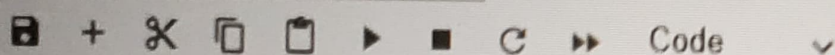
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X

Untitled1.ipynb

X

carss.csv

 Code

```
[13]: from sklearn import linear_model  
      regr = linear_model.LinearRegression() # create a regression model  
      regr.fit(x, y)
```

```
[13]: LinearRegression()
```

```
[14]: print(regr)
```

```
LinearRegression()
```

```
[15]: predictedCO2=regr.predict([[2300,1300]])  
      print(predictedCO2)
```

```
[107.2087328]
```

```
[17]: print(regr.coef_)
```

```
[0.00755095 0.00780526]
```

```
[19]: predictedCO2=regr.predict([[3300,1300]])  
      print(predictedCO2)
```

```
[114.75968007]
```

```
[20]: predictedCO2=regr.predict([[2300,1400]])  
      print(predictedCO2)
```

```
[107.98925855]
```

```
[ ]:
```