8/lab/tree/Desktop/Untitled1.ipynb

Tabs Settings Help

STUDENTS.CSV | Untitled1.ipynb | carss.csv

Code

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

[7]:
```
car_df
```

[7]:

	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

Python 3 (ipykernel) | Idle

alhost:8888/lab/tree/Desktop/Untitled1.ipynb

Maps

Kernel Tabs Settings Help

STUDENTS.CSV | Untitled1.ipynb | carss.csv

Code

34	Opel	Zafira	1600	1405	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
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

ast Modified
minutes ago
minutes ago
6 months ago
11 days ago
11 days ago
4 days ago
3 days ago
2 minutes ago

Python 3 (ipykernel) | Idle

b/tree/Desktop/Untitled1.ipynb

Settings Help

STUDENTS.CSV | Untitled1.ipynb | 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]
```

[ ]: