

```
In [1]: import pandas as pd
```

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In [2]: import numpy as np
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In [3]: data=pd.read_csv("/home/placement/Downloads/fiat500.csv")
```

```
In [4]: data.describe()
```

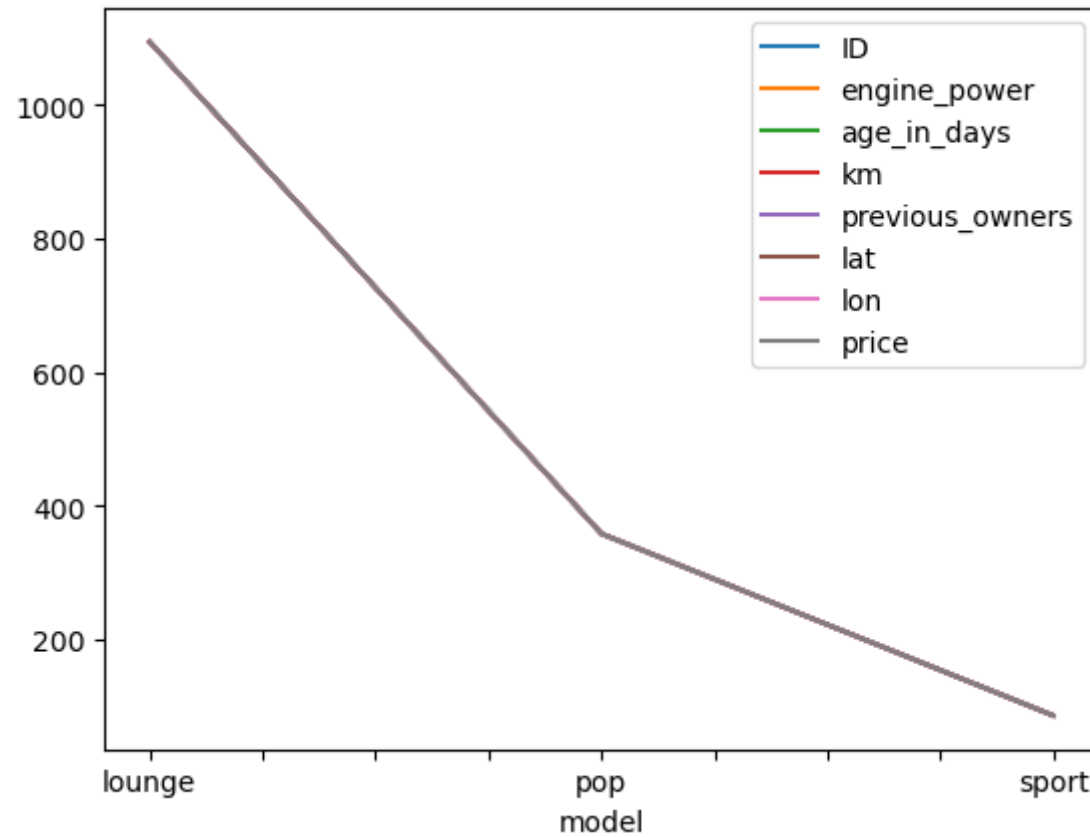
```
Out[4]:
```

	ID	engine_power	age_in_days	km	previous_owners	lat	lon	price
count	1538.000000	1538.000000	1538.000000	1538.000000	1538.000000	1538.000000	1538.000000	1538.000000
mean	769.500000	51.904421	1650.980494	53396.011704	1.123537	43.541361	11.563428	8576.003901
std	444.126671	3.988023	1289.522278	40046.830723	0.416423	2.133518	2.328190	1939.958641
min	1.000000	51.000000	366.000000	1232.000000	1.000000	36.855839	7.245400	2500.000000
25%	385.250000	51.000000	670.000000	20006.250000	1.000000	41.802990	9.505090	7122.500000
50%	769.500000	51.000000	1035.000000	39031.000000	1.000000	44.394096	11.869260	9000.000000
75%	1153.750000	51.000000	2616.000000	79667.750000	1.000000	45.467960	12.769040	10000.000000
max	1538.000000	77.000000	4658.000000	235000.000000	4.000000	46.795612	18.365520	11100.000000

```
In [9]: data=data.groupby(['model']).count()
```

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In [6]: data.plot()
```

```
Out[6]: <Axes: xlabel='model'>
```



```
In [7]: data=data.rename(columns={'model_name': 'model'})  
list(data)
```

```
Out[7]: ['ID',  
         'engine_power',  
         'age_in_days',  
         'km',  
         'previous_owners',  
         'lat',  
         'lon',  
         'price']
```

```
In [2]: data1= pd.get_dummies(data1)
```

```
-----  
NameError                                Traceback (most recent call last)  
Cell In[2], line 1  
----> 1 data1= pd.get_dummies(data1)  
  
NameError: name 'pd' is not defined
```

```
In [ ]:
```