In [1]:
```
import numpy as np
```

In [2]:
```
import pandas as pd
```

In [3]:
```
data=pd.read_csv(r"C:\Users\user\Downloads\fiat500_VehicleSelection_Dataset (1
data
```

Out[3]:

	ID	model	engine_power	age_in_days	km	previous_owners	lat	
0	1.0	lounge	51.0	882.0	25000.0	1.0	44.907242	8.611559
1	2.0	pop	51.0	1186.0	32500.0	1.0	45.666359	12.24188
2	3.0	sport	74.0	4658.0	142228.0	1.0	45.503300	11.41
3	4.0	lounge	51.0	2739.0	160000.0	1.0	40.633171	17.63460
4	5.0	pop	73.0	3074.0	106880.0	1.0	41.903221	12.49565
...	...	...	...	...	...	...	...	
1544	NaN	NaN	NaN	NaN	NaN	NaN	NaN	len
1545	NaN	NaN	NaN	NaN	NaN	NaN	NaN	cor
1546	NaN	NaN	NaN	NaN	NaN	NaN	NaN	Null val
1547	NaN	NaN	NaN	NaN	NaN	NaN	NaN	
1548	NaN	NaN	NaN	NaN	NaN	NaN	NaN	sea

1549 rows × 11 columns

In [4]:
```
data=data[['km','price']]
data
```

Out[4]:

	km	price
0	25000.0	8900
1	32500.0	8800
2	142228.0	4200
3	160000.0	6000
4	106880.0	5700
...	...	...
1544	NaN	5
1545	NaN	lonprice
1546	NaN	NO
1547	NaN	1
1548	NaN	1

1549 rows × 2 columns

In [5]:
```
data.mean()
```

Out[5]:
```
km    53396.011704
dtype: float64
```

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

Out[6]:
```
km    39031.0
dtype: float64
```

In [7]:
```
data.mode()
```

Out[7]:

	km	price
0	17000.0	10500

In [8]:
```
data.sum()
```

Out[8]:
```
km                                                    82123066.0
price    8900880042006000570079001075091905600600089501...
dtype: object
```

In [9]:
```
data.cumsum()
```

Out[9]:

	km	price
0	25000.0	8900
1	57500.0	89008800
2	199728.0	890088004200
3	359728.0	8900880042006000
4	466608.0	89008800420060005700
...	...	...
1544	NaN	8900880042006000570079001075091905600600089501...
1545	NaN	8900880042006000570079001075091905600600089501...
1546	NaN	8900880042006000570079001075091905600600089501...
1547	NaN	8900880042006000570079001075091905600600089501...
1548	NaN	8900880042006000570079001075091905600600089501...

1549 rows × 2 columns

In [10]:
```
data.max()
```

Out[10]:
```
km       235000.0
price    lonprice
dtype: object
```

In [11]:
```
data.min()
```

Out[11]:
```
km       1232.0
price         1
dtype: object
```

In [12]:
```
data.cov()
```

Out[12]:

	km
km	1.603749e+09

In [13]:
```
d1=data['km'][0:10]
d1
```

Out[13]:
```
0     25000.0
1     32500.0
2    142228.0
3    160000.0
4    106880.0
5     70225.0
6     11600.0
7     49076.0
8     76000.0
9     89000.0
Name: km, dtype: float64
```

In [14]:
```
d2=data['price'][0:10]
d2
```

Out[14]:
```
0     8900
1     8800
2     4200
3     6000
4     5700
5     7900
6    10750
7     9190
8     5600
9     6000
Name: price, dtype: object
```

In [17]:
```
data.corr()
```

Out[17]:

	km
km	1.0

In [ ]: