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import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
from statsmodels.graphics.regressionplots import influence_plot
import statsmodels.formula.api as smf

In [7]: toyota_corolla=pd.read_csv('ToyotaCorolla.csv', encoding = "ISO-8859-1", engine='python')

In [9]: new_data = toyota_corolla.drop(['Wfg_Month', 'Wfg_Year', 'Fuel_Type', 'Met_Color', 'Color', 'Automatic', 'tc', 'Quarterly_Tax'],axis=1)
new_data

Out[9]:
```

	Id	Model	Price	Age_08_04	KM	HP	Doors	Cylinders	Gears	Weight	Central_Lock	Powered_Windows	Power_Steering	Radio	Mistlamps	Sport_Model	Backseat_Divider	Metallic_Rim	Radio_cassette
0	1	TOYOTA 2.0 D4D TERRA 25- Doors	13500	23	46986	90	3	4	5	1165	...	1	1	1	0	0	0	1	0
1	2	TOYOTA 2.0 D4D TERRA 25- Doors	13750	23	72937	90	3	4	5	1165	...	1	0	1	0	0	0	1	0
2	3	TOYOTA 2.0 D4D TERRA 25- Doors	13950	24	41711	90	3	4	5	1165	...	0	0	1	0	0	0	1	0
3	4	TOYOTA 2.0 D4D TERRA 25- Doors	14950	26	48000	90	3	4	5	1165	...	0	0	1	0	0	0	1	0
4	5	TOYOTA 2.0 D4D TERRA SOL 25- Doors	13750	30	38500	90	3	4	5	1170	...	1	1	1	0	1	0	1	0
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1431	1438	TOYOTA Corolla 1.3 16V HATCHBACK G6 25- Doors	7500	69	20544	86	3	4	5	1025	...	1	1	1	0	1	1	1	0
1432	1439	TOYOTA Corolla 1.3 16V HATCHBACK TERRA 25- Doors	10845	72	19000	86	3	4	5	1015	...	0	0	1	0	0	1	1	0
1433	1440	TOYOTA Corolla 1.3 16V HATCHBACK TERRA 25- Doors	8500	71	17016	86	3	4	5	1015	...	0	0	1	0	0	0	1	0
1434	1441	TOYOTA Corolla 1.3 16V HATCHBACK LINEA TERRA 25- Doors	7250	70	16916	86	3	4	5	1015	...	0	0	0	0	0	0	1	0
1435	1442	TOYOTA Corolla 1.6 1.6L LINEA TERRA 45- Doors	6950	76	1	110	5	4	5	1114	...	0	0	1	0	0	0	0	0

1436 rows x 30 columns

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In [10]: new_data.drop(new_data.columns[10:30],axis=1,inplace=True)
new_data

Out[10]:
```

	Id	Model	Price	Age_08_04	KM	HP	Doors	Cylinders	Gears	Weight
0	1	TOYOTA Corolla 2.0 D4D HATCHBACK TERRA 25-Doors	13500	23	46986	90	3	4	5	1165
1	2	TOYOTA Corolla 2.0 D4D HATCHBACK TERRA 25-Doors	13750	23	72937	90	3	4	5	1165
2	3	TOYOTA Corolla 2.0 D4D HATCHBACK TERRA 25-Doors	13950	24	41711	90	3	4	5	1165
3	4	TOYOTA Corolla 2.0 D4D HATCHBACK TERRA 25-Doors	14950	26	48000	90	3	4	5	1165
4	5	TOYOTA Corolla 2.0 D4D HATCHBACK SOL 25-Doors	13750	30	38500	90	3	4	5	1170
...	...	...	...	...	...	...	...	...	...	...
1431	1438	TOYOTA Corolla 1.3 16V HATCHBACK G6 25-Doors	7500	69	20544	86	3	4	5	1025
1432	1439	TOYOTA Corolla 1.3 16V HATCHBACK LINEA TERRA 25-Doors	10845	72	19000	86	3	4	5	1015
1433	1440	TOYOTA Corolla 1.3 16V HATCHBACK LINEA TERRA 25-Doors	8500	71	17016	86	3	4	5	1015
1434	1441	TOYOTA Corolla 1.3 16V HATCHBACK LINEA TERRA 25-Doors	7250	70	16916	86	3	4	5	1015
1435	1442	TOYOTA Corolla 1.6 1.6L LINEA TERRA 45-Doors	6950	76	1	110	5	4	5	1114

1436 rows x 10 columns

```
In [11]: new_data.info()

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 1436 entries, 0 to 1435
Data columns (total 18 columns):
 #   Id      Model      Price  Age_08_04  KM      HP      Doors  Cylinders  Gears  Weight
--  --  --  --  --  --  --  --  --  --  --
0   1      TOYOTA  13500   23        46986   90      3      4         5      1165
1   2      TOYOTA  13750   23        72937   90      3      4         5      1165
2   3      TOYOTA  13950   24        41711   90      3      4         5      1165
3   4      TOYOTA  14950   26        48000   90      3      4         5      1165
4   5      TOYOTA  13750   30        38500   90      3      4         5      1170
...  ...  ...  ...  ...  ...  ...  ...  ...  ...  ...
1431 1438   TOYOTA  7500    69        20544   86      3      4         5      1025
1432 1439   TOYOTA 10845   72        19000   86      3      4         5      1015
1433 1440   TOYOTA  8500    71        17016   86      3      4         5      1015
1434 1441   TOYOTA  7250    70        16916   86      3      4         5      1015
1435 1442   TOYOTA  6950    76         1110   5      4         5      1114

memory usage: 112.3+ KB

In [12]: new_data.drop()

Out[12]:
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	Id	Price	Age_08_04	KM
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