

exp7

March 4, 2022

```
[ ]: import numpy as np
import pandas as pd
from matplotlib import pyplot as plt
import seaborn as sb
```

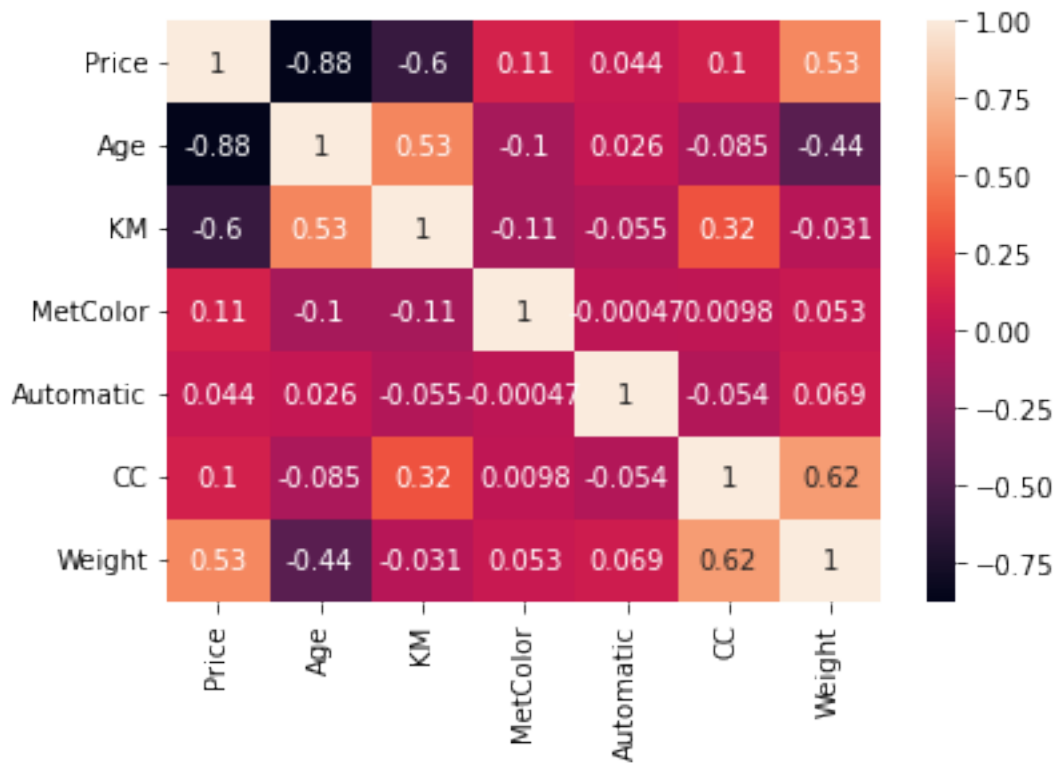
```
[ ]: df = pd.read_csv("../Toyota.csv", index_col=0, na_values=["??", "???"])
df_copy = df.copy()
df.dropna(axis=0, inplace=True)
df.head()
```

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[ ]: 
```

	Price	Age	KM	FuelType	HP	MetColor	Automatic	CC	Doors	Weight
0	13500	23.0	46986.0	Diesel	90	1.0	0	2000	three	1165
1	13750	23.0	72937.0	Diesel	90	1.0	0	2000	3	1165
3	14950	26.0	48000.0	Diesel	90	0.0	0	2000	3	1165
4	13750	30.0	38500.0	Diesel	90	0.0	0	2000	3	1170
5	12950	32.0	61000.0	Diesel	90	0.0	0	2000	3	1170

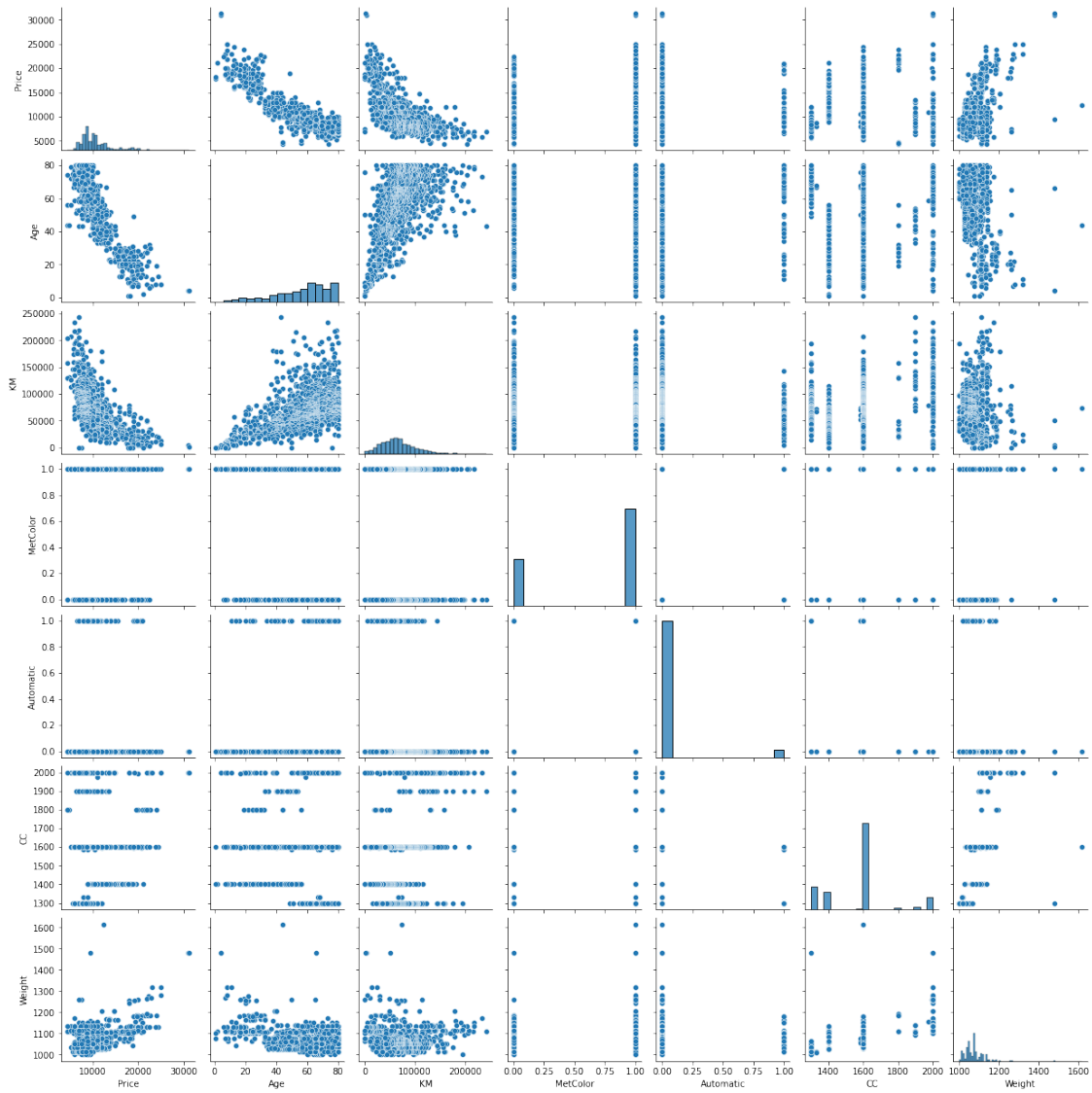
```
[ ]: # correlation matrix with heatmap
sb.heatmap(df.corr(), annot=True)
```

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[ ]: <AxesSubplot:>
```



```
[ ]: # varification with pairplot
      sb.pairplot(df,kind="scatter")
```

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[ ]: <seaborn.axisgrid.PairGrid at 0x180cef64eb0>
```

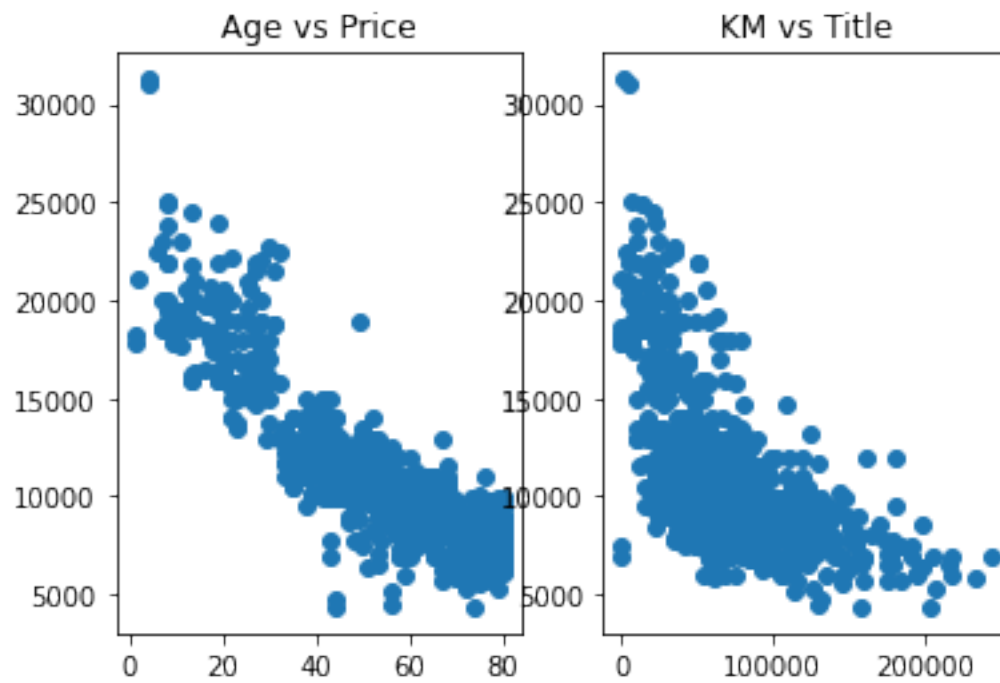


```
[ ]: # varification with scatter

plt.subplot(1,2,1)
plt.scatter(df["Age"],df["Price"])
plt.title("Age vs Price")

plt.subplot(1,2,2)
plt.scatter(df["KM"],df["Price"])
plt.title("KM vs Title")
```

```
[ ]: Text(0.5, 1.0, 'KM vs Title')
```



[]: