```
In [262]:
          import pandas as pd
In [263]: # 2 main datatypes
          series= pd.Series(['bmw','toyota','honda'])
In [264]: series
Out[264]: 0
                   bmw
          1
               toyota
          2
                honda
          dtype: object
In [265]: #series = 1-dimensional
          colours=pd.Series(['red','blue','white'])
In [266]:
In [267]: colours
Out[267]: 0
                  red
                blue
               white
          dtype: object
In [268]: #dataFrame= 2-dimensional
          car_data = pd.DataFrame({'car':series,'color':colours})
In [269]: car_data
Out[269]:
                car color
               bmw
                      red
           1 toyota
                     blue
           2 honda white
In [270]: #import data
          heart=pd.read_csv('heart.csv')
```

In [271]: heart

Out[271]:

	age	sex	ср	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	slope	са	thal	target
0	63	1	3	145	233	1	0	150	0	2.3	0	0	1	1
1	37	1	2	130	250	0	1	187	0	3.5	0	0	2	1
2	41	0	1	130	204	0	0	172	0	1.4	2	0	2	1
3	56	1	1	120	236	0	1	178	0	8.0	2	0	2	1
4	57	0	0	120	354	0	1	163	1	0.6	2	0	2	1
298	57	0	0	140	241	0	1	123	1	0.2	1	0	3	0
299	45	1	3	110	264	0	1	132	0	1.2	1	0	3	0
300	68	1	0	144	193	1	1	141	0	3.4	1	2	3	0
301	57	1	0	130	131	0	1	115	1	1.2	1	1	3	0
302	57	0	1	130	236	0	0	174	0	0.0	1	1	2	0

303 rows × 14 columns

```
In [272]: #exporting data fram
heart.to_csv('exported-car-sales.csv',index=False)
```

```
In [273]: export_car = pd.read_csv('exported-car-sales.csv')
```

In [274]: export_car

Out[274]:

	age	sex	ср	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	slope	са	thal	target
0	63	1	3	145	233	1	0	150	0	2.3	0	0	1	1
1	37	1	2	130	250	0	1	187	0	3.5	0	0	2	1
2	41	0	1	130	204	0	0	172	0	1.4	2	0	2	1
3	56	1	1	120	236	0	1	178	0	8.0	2	0	2	1
4	57	0	0	120	354	0	1	163	1	0.6	2	0	2	1
298	57	0	0	140	241	0	1	123	1	0.2	1	0	3	0
299	45	1	3	110	264	0	1	132	0	1.2	1	0	3	0
300	68	1	0	144	193	1	1	141	0	3.4	1	2	3	0
301	57	1	0	130	131	0	1	115	1	1.2	1	1	3	0
302	57	0	1	130	236	0	0	174	0	0.0	1	1	2	0

303 rows × 14 columns

```
In [275]: car_sales=pd.read_csv('Car_sales.csv')
    car_sales
```

Out[275]:

	Manufacturer	Model	Sales_in_thousands	year_resale_value	Vehicle_type	Price_in_thousan		
0	Acura	Integra	854.000	16.360	Passenger	21		
1	Acura	TL	39.384	19.875	Passenger	28		
2	Acura	CL	14.114	18.225	Passenger	N		
3	Acura	RL	8.588	29.725	Passenger	42		
4	Audi	A4	20.397	22.255	Passenger	23		
•••								
152	Volvo	V40	3.545	NaN	Passenger	24		
153	Volvo	S70	15.245	NaN	Passenger	27		
154	Volvo	V70	17.531	NaN	Passenger	28		
155	Volvo	C70	3.493	NaN	Passenger	45		
156	Volvo	S80	18.969	NaN	Passenger	36		
157 rows × 16 columns								
4						>		

describe data

_year_resale_value float64 Vehicle type object Price_in_thousands float64 Engine_size float64 Horsepower float64 Wheelbase float64 Width float64 float64 Length Curb_weight float64 Fuel_capacity float64 Fuel_efficiency float64 Latest_Launch object Power_perf_factor float64 dtype: object

```
In [277]:
           car_columns=car_sales.columns
           car_columns
Out[277]: Index(['Manufacturer', 'Model', 'Sales_in_thousands', '__year_resale_value',
                   'Vehicle_type', 'Price_in_thousands', 'Engine_size', 'Horsepower',
                   'Wheelbase', 'Width', 'Length', 'Curb_weight', 'Fuel_capacity',
                   'Fuel_efficiency', 'Latest_Launch', 'Power_perf_factor'],
                  dtype='object')
  In [ ]:
In [278]:
           # check index of file
           car_sales.index
Out[278]: RangeIndex(start=0, stop=157, step=1)
In [279]: | car_sales
              0
                       Acura
                              Integra
                                                854.000
                                                                    16.360
                                                                             Passenger
              1
                       Acura
                                 TL
                                                 39.384
                                                                   19.875
                                                                             Passenger
              2
                                 CL
                                                                   18.225
                       Acura
                                                 14.114
                                                                             Passenger
              3
                       Acura
                                 RL
                                                 8.588
                                                                   29.725
                                                                             Passenger
                                                                   22.255
              4
                         Audi
                                 A4
                                                 20.397
                                                                             Passenger
            152
                        Volvo
                                V40
                                                  3.545
                                                                     NaN
                                                                             Passenger
            153
                        Volvo
                                S70
                                                 15.245
                                                                     NaN
                                                                             Passenger
            154
                        Volvo
                                V70
                                                 17.531
                                                                     NaN
                                                                             Passenger
                                                                             Passenger
            155
                        Volvo
                                C70
                                                  3.493
                                                                     NaN
            156
                        Volvo
                                S80
                                                 18.969
                                                                     NaN
                                                                             Passenger
           157 rows × 16 columns
```

In [280]: # Function

car_sales.describe()

Out[280]:

	Sales_in_thousands	year_resale_value	Price_in_thousands	Engine_size	Horsepower	Wh
count	157.000000	122.000000	155.000000	156.000000	156.000000	156
mean	63.926726	21.326475	27.390755	3.060897	185.948718	107
std	103.138664	37.702759	14.351653	1.044653	56.700321	7
min	0.110000	5.160000	9.235000	1.000000	55.000000	92
25%	14.351000	11.268750	18.017500	2.300000	149.500000	103
50%	31.148000	14.195000	22.799000	3.000000	177.500000	107
75%	71.186000	19.886250	31.947500	3.575000	215.000000	112
max	854.000000	415.000000	85.500000	8.000000	450.000000	138

In [281]: car_sales.info()

<class 'pandas.core.frame.DataFrame'> RangeIndex: 157 entries, 0 to 156 Data columns (total 16 columns):

#	Column	Non-Null Count	Dtype
0	Manufacturer	157 non-null	object
1	Model	157 non-null	object
2	Sales_in_thousands	157 non-null	float64
3	year_resale_value	122 non-null	float64
4	Vehicle_type	157 non-null	object
5	Price_in_thousands	155 non-null	float64
6	<pre>Engine_size</pre>	156 non-null	float64
7	Horsepower	156 non-null	float64
8	Wheelbase	156 non-null	float64
9	Width	156 non-null	float64
10	Length	156 non-null	float64
11	Curb_weight	155 non-null	float64
12	Fuel_capacity	156 non-null	float64
13	Fuel_efficiency	154 non-null	float64
14	Latest_Launch	157 non-null	object
15	Power_perf_factor	155 non-null	float64

dtypes: float64(12), object(4)

memory usage: 19.8+ KB

```
In [282]: | car sales.mean()
Out[282]: Sales_in_thousands
                                   63.926726
           year resale value
                                   21.326475
          Price_in_thousands
                                   27.390755
          Engine_size
                                    3.060897
          Horsepower
                                  185.948718
          Wheelbase
                                  107.487179
          Width
                                   71.150000
          Length
                                  187.343590
          Curb_weight
                                    3.378026
          Fuel_capacity
                                   17.951923
          Fuel_efficiency
                                   23.844156
          Power_perf_factor
                                   77.043591
          dtype: float64
In [283]: | car_prices = pd.Series([200,400,600])
In [284]:
          car_sales.sum()
Out[284]: Manufacturer
                                  AcuraAcuraAcuraAudiAudiAudiBMWBMWBMWBuick...
          Model
                                  IntegraTLCLRLA4A6A8323i328i528iCenturyRegalPar...
          Sales_in_thousands
                                                                             10036.5
           __year_resale_value
                                                                             2601.83
          Vehicle type
                                  PassengerPassengerPassengerPassengerP...
          Price_in_thousands
                                                                             4245.57
          Engine_size
                                                                               477.5
          Horsepower
                                                                               29008
          Wheelbase
                                                                               16768
          Width
                                                                             11099.4
                                                                             29225.6
          Length
          Curb weight
                                                                             523.594
          Fuel_capacity
                                                                              2800.5
          Fuel efficiency
                                                                                3672
                                  02-02-201206-03-201101-04-201203-10-201110-08-...
          Latest Launch
          Power_perf_factor
                                                                             11941.8
          dtype: object
In [285]: car_sales['Price_in_thousands'].dtype == 'float64' or 'int64'
Out[285]: True
In [286]: len(car sales)
Out[286]: 157
In [287]: | car_data.color.dtypes
Out[287]: dtype('0')
```

viewing and selection data

```
In [288]:
           car_sales.head()
Out[288]:
               Manufacturer
                            Model
                                  Sales_in_thousands
                                                      Price_in_thousands
            0
                                             854.000
                                                                 16.360
                                                                                                21.50
                     Acura
                           Integra
                                                                          Passenger
                               TL
                                              39.384
                                                                 19.875
                                                                                                28.40
            1
                     Acura
                                                                          Passenger
            2
                     Acura
                               CL
                                              14.114
                                                                 18.225
                                                                          Passenger
                                                                                                 NaN
            3
                     Acura
                               RL
                                               8.588
                                                                 29.725
                                                                          Passenger
                                                                                                42.00
                      Audi
                               Α4
                                              20.397
                                                                 22.255
                                                                          Passenger
                                                                                                23.99
           car_sales.tail()
In [289]:
Out[289]:
                 Manufacturer
                             Model
                                    Sales_in_thousands
                                                        Price_in_thousan
            152
                        Volvo
                               V40
                                                 3.545
                                                                    NaN
                                                                           Passenger
                                                                                                   24
            153
                               S70
                                                                                                   27
                        Volvo
                                                15.245
                                                                    NaN
                                                                           Passenger
            154
                        Volvo
                               V70
                                                17.531
                                                                    NaN
                                                                           Passenger
                                                                                                   28
            155
                        Volvo
                               C70
                                                 3.493
                                                                    NaN
                                                                           Passenger
                                                                                                   45
            156
                        Volvo
                               S80
                                                18.969
                                                                    NaN
                                                                           Passenger
                                                                                                   36
In [290]:
           # .loc and .iloc
           animal =pd.Series(['cat','dog','bird','panda','snake'],index=[0,3,5,7,3])
In [291]:
           animal
Out[291]:
           0
                   cat
                   dog
           5
                  bird
           7
                 panda
                 snake
           dtype: object
In [292]:
           animal[3]
Out[292]:
                   dog
                 snake
           dtype: object
In [293]:
           # .loc // prefer to index
           animal.loc[3]
Out[293]: 3
                   dog
                 snake
           dtype: object
```

```
In [294]: #.iloc // prefer to position
           animal.iloc[3]
Out[294]: 'panda'
In [295]: | animal.iloc[:3]
Out[295]: 0
                 cat
                 dog
                bird
           dtype: object
In [296]: car_sales['Manufacturer']
Out[296]: 0
                  Acura
          1
                  Acura
           2
                  Acura
           3
                  Acura
           4
                   Audi
          152
                  Volvo
                  Volvo
          153
          154
                  Volvo
          155
                  Volvo
           156
                  Volvo
          Name: Manufacturer, Length: 157, dtype: object
In [297]: #both are same only syntax change
           car_sales['Model'] # use for space in name
           car_sales.Model
Out[297]: 0
                  Integra
           1
                       TL
           2
                       \mathsf{CL}
           3
                       RL
           4
                       Α4
           152
                      V40
           153
                      S70
           154
                      V70
           155
                      C70
          156
                      S80
           Name: Model, Length: 157, dtype: object
```

```
In [298]:
            car sales.Model
Out[298]:
            0
                     Integra
            1
                           TL
            2
                           CL
            3
                           RL
            4
                           Α4
            152
                         V40
            153
                         S70
            154
                         V70
            155
                         C70
            156
                         S80
            Name: Model, Length: 157, dtype: object
            car_sales[car_sales["Horsepower"] == 'BMW']
In [299]:
Out[299]:
               Manufacturer Model Sales_in_thousands __year_resale_value Vehicle_type Price_in_thousands
            car_sales[car_sales["Horsepower"] >= 170]
In [300]:
Out[300]:
                  Manufacturer
                                 Model
                                        Sales_in_thousands __year_resale_value Vehicle_type Price_in_thousar
               1
                                    TL
                                                     39.384
                                                                         19.875
                                                                                                          28.4
                         Acura
                                                                                   Passenger
               2
                                                                         18.225
                         Acura
                                    CL
                                                     14.114
                                                                                   Passenger
                                                                                                            Ν
               3
                                    RL
                                                      8.588
                                                                         29.725
                                                                                   Passenger
                                                                                                          42.0
                         Acura
               5
                           Audi
                                    A6
                                                     18.780
                                                                         23.555
                                                                                   Passenger
                                                                                                          33.9
                                                                                                          62.0
               6
                                                      1.380
                                                                         39.000
                                                                                   Passenger
                           Audi
                                    Α8
                                                                                                          25.5
             138
                         Toyota
                                Avalon
                                                     63.849
                                                                         18.140
                                                                                   Passenger
                         Toyota
                                Sienna
                                                     65.119
                                                                                         Car
                                                                                                          22.3
             141
                                                                           NaN
                                  Land
                                                      9.835
                                                                         34.080
                                                                                         Car
                                                                                                          51.7
             144
                         Toyota
                                Cruiser
             155
                          Volvo
                                   C70
                                                      3.493
                                                                           NaN
                                                                                   Passenger
                                                                                                          45.5
                          Volvo
                                   S80
                                                                                                          36.0
             156
                                                     18.969
                                                                           NaN
                                                                                   Passenger
            93 rows × 16 columns
```

In [301]: #crosstab // for comparing column
pd.crosstab(car_sales['Model'], car_sales['Manufacturer'])

Out[301]:

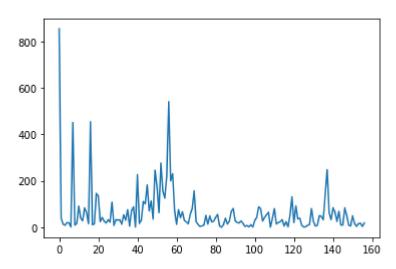
Manufacturer	Acura	Audi	BMW	Buick	Cadillac	Chevrolet	Chrysler	Dodge	Ford	Honda	(
Model											
03-Sep	0	0	0	0	0	0	0	0	0	0	
05-Sep	0	0	0	0	0	0	0	0	0	0	
3000GT	0	0	0	0	0	0	0	0	0	0	
300M	0	0	0	0	0	0	1	0	0	0	
323i	0	0	1	0	0	0	0	0	0	0	
Viper	0	0	0	0	0	0	0	1	0	0	
Voyager	0	0	0	0	0	0	0	0	0	0	
Windstar	0	0	0	0	0	0	0	0	1	0	
Wrangler	0	0	0	0	0	0	0	0	0	0	
Xterra	0	0	0	0	0	0	0	0	0	0	

156 rows × 30 columns

	4					>					
In [302]:	<pre># groupby car_sales.groupby(['Manufacturer']).mean()</pre>										
	Mitsubishi	25.842143	14.262143	22.167429	2.800000	165.14 ^					
	Nissan	57.090714	13.612000	22.360714	2.914286	169.00					
	Oldsmobile	29.831500	16.573750	25.622833	3.450000	190.00					
	Plymouth	16.000250	9.858333	22.642500	2.475000	166.75					
	Pontiac	61.755667	13.824000	22.949167	3.433333	185.00					
	Porsche	4.042667	56.475000	62.473333	3.166667	272.33					
	Saab	10.653000	NaN	29.610000	2.150000	177.50					
	Saturn	33.770000	10.193333	14.271000	2.020000	119.60					
	Subaru	40.067500	NaN	21.395000	2.500000	165.00					
	Toyota	82.245000	16.657500	21.982889	2.622222	160.66					
	Volkswagen	34.868667	14.345000	17.698333	1.966667	120.83					
	Volvo	12.623333	NaN	30.933333	2.300000	182.16					

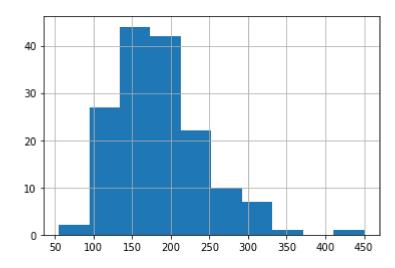
```
In []:
In []:
In [303]: car_sales['Sales_in_thousands'].plot()
# not show plot so use
# %matplotlib inline
#car_sales['Sales_in_thousands'].plot()
```

Out[303]: <AxesSubplot:>



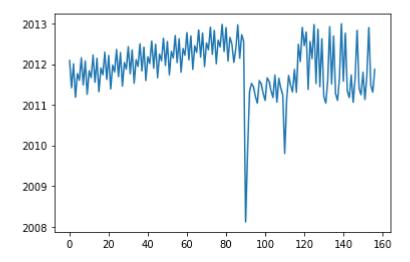
```
In [304]: car_sales['Horsepower'].hist()
```

Out[304]: <AxesSubplot:>



```
In [306]: carConvert
carConvert.plot()
```

Out[306]: <AxesSubplot:>



Manipulating Data

```
In [307]:
          car_sales
          car_sales['Manufacturer'].str.lower()
Out[307]:
                  acura
          1
                  acura
          2
                  acura
          3
                  acura
          4
                   audi
          152
                  volvo
          153
                  volvo
          154
                  volvo
          155
                  volvo
                  volvo
          156
          Name: Manufacturer, Length: 157, dtype: object
```

car_sales['Manufacturer'] = car_sales['Manufacturer'].str.lower() In [308]: car_sales

Out[308]:

	Manufacturer	Model	Sales_in_thousands	year_resale_value	Vehicle_type	Price_in_thousan
0	acura	Integra	854.000	16.360	Passenger	21
1	acura	TL	39.384	19.875	Passenger	28
2	acura	CL	14.114	18.225	Passenger	N
3	acura	RL	8.588	29.725	Passenger	42
4	audi	A4	20.397	22.255	Passenger	23
152	volvo	V40	3.545	NaN	Passenger	24
153	volvo	S70	15.245	NaN	Passenger	27
154	volvo	V70	17.531	NaN	Passenger	28
155	volvo	C70	3.493	NaN	Passenger	45
156	volvo	S80	18.969	NaN	Passenger	36

157 rows × 16 columns

In [309]: | car_missing=pd.read_csv('Car_sales_Missing.csv')

In [310]: car_missing

Out[310]:

	Manufacturer	Model	Sales_in_thousands	year_resale_value	Vehicle_type	Price_in_thousan			
0	Acura	Integra	NaN	16.360	Passenger	21			
1	Acura	TL	39.384	19.875	Passenger	28			
2	Acura	CL	14.114	18.225	Passenger	N			
3	Acura	RL	8.588	29.725	Passenger	42			
4	Audi	A4	20.397	22.255	Passenger	23			
		•••							
152	Volvo	V40	3.545	NaN	Passenger	24			
153	Volvo	S70	15.245	NaN	Passenger	27			
154	Volvo	V70	17.531	NaN	Passenger	28			
155	Volvo	C70	3.493	NaN	Passenger	45			
156	Volvo	S80	18.969	NaN	Passenger	36			
157 rows × 16 columns									

In [311]: # fill missing value(NAN)
 car_missing['Sales_in_thousands'].fillna(car_missing['Sales_in_thousands'].mean()

In [312]: car_missing

Out[312]:

	Manufacturer	Model	Sales_in_thousands	year_resale_value	Vehicle_type	Price_in_thousan
0	Acura	Integra	55.977279	16.360	Passenger	21
1	Acura	TL	39.384000	19.875	Passenger	28
2	Acura	CL	14.114000	18.225	Passenger	N
3	Acura	RL	8.588000	29.725	Passenger	42
4	Audi	A4	20.397000	22.255	Passenger	23
152	Volvo	V40	3.545000	NaN	Passenger	24
153	Volvo	S70	15.245000	NaN	Passenger	27
154	Volvo	V70	17.531000	NaN	Passenger	28
155	Volvo	C70	3.493000	NaN	Passenger	45
156	Volvo	S80	18.969000	NaN	Passenger	36

157 rows × 16 columns

Out[313]:

	Manufacturer	Model	Sales_in_thousands	year_resale_value	Vehicle_type	Price_in_thousan
0	Acura	Integra	55.977279	16.360	Passenger	21
1	Acura	TL	39.384000	19.875	Passenger	28
3	Acura	RL	8.588000	29.725	Passenger	42
4	Audi	A4	20.397000	22.255	Passenger	23
5	Audi	A6	18.780000	23.555	Passenger	33
145	Volkswagen	Golf	9.761000	11.425	Passenger	14
146	Volkswagen	Jetta	83.721000	13.240	Passenger	16
147	Volkswagen	Passat	51.102000	16.725	Passenger	21
148	Volkswagen	Cabrio	9.569000	16.575	Passenger	19
149	Volkswagen	GTI	5.596000	13.760	Passenger	17
118 rd	ows × 16 colun	nns				>

```
In [314]: # Column from series
          seats_column = pd.Series([5,5,5,5])
          #new Coloumn called seats
          car_sales['Seats'] = seats_column
          car_sales
```

Out[314]:

	Manufacturer	Model	Sales_in_thousands	year_resale_value	Vehicle_type	Price_in_thousan
0	acura	Integra	854.000	16.360	Passenger	21
1	acura	TL	39.384	19.875	Passenger	28
2	acura	CL	14.114	18.225	Passenger	N
3	acura	RL	8.588	29.725	Passenger	42
4	audi	A4	20.397	22.255	Passenger	23
152	volvo	V40	3.545	NaN	Passenger	24
153	volvo	S70	15.245	NaN	Passenger	27
154	volvo	V70	17.531	NaN	Passenger	28
155	volvo	C70	3.493	NaN	Passenger	45
156	volvo	S80	18.969	NaN	Passenger	36
157 r	ows × 17 colur	mns				
4						

In [315]: car_sales['Seats'].fillna(5,inplace=True)

In [316]: car_sales

Out[316]:

	Manufacturer	Model	Sales_in_thousands	year_resale_value	Vehicle_type	Price_in_thousan
0	acura	Integra	854.000	16.360	Passenger	21
1	acura	TL	39.384	19.875	Passenger	28
2	acura	CL	14.114	18.225	Passenger	N
3	acura	RL	8.588	29.725	Passenger	42
4	audi	A4	20.397	22.255	Passenger	23
152	volvo	V40	3.545	NaN	Passenger	24
153	volvo	S70	15.245	NaN	Passenger	27
154	volvo	V70	17.531	NaN	Passenger	28
155	volvo	C70	3.493	NaN	Passenger	45
156	volvo	S80	18.969	NaN	Passenger	36

157 rows × 17 columns

In [317]: | car_sales['Fuel_efficiency(L)'] = car_sales['Fuel_efficiency']/2 * 100 car_sales

Out[317]:

	Manufacturer	Model	Sales_in_thousands	year_resale_value	Vehicle_type	Price_in_thousan
0	acura	Integra	854.000	16.360	Passenger	21
1	acura	TL	39.384	19.875	Passenger	28
2	acura	CL	14.114	18.225	Passenger	N
3	acura	RL	8.588	29.725	Passenger	42
4	audi	A4	20.397	22.255	Passenger	23
152	volvo	V40	3.545	NaN	Passenger	24
153	volvo	S70	15.245	NaN	Passenger	27
154	volvo	V70	17.531	NaN	Passenger	28
155	volvo	C70	3.493	NaN	Passenger	45
156	volvo	S80	18.969	NaN	Passenger	36
157 r	ows × 18 colur	mns				
						>

```
In [318]: # creating a column from a single value
    car_sales['Number of wheels'] = 4
    car_sales
```

Out[318]:

	Manufacturer	Model	Sales_in_thousands	year_resale_value	Vehicle_type	Price_in_thousan	
0	acura	Integra	854.000	16.360	Passenger	21	
1	acura	TL	39.384	19.875	Passenger	28	
2	acura	CL	14.114	18.225	Passenger	N	
3	acura	RL	8.588	29.725	Passenger	42	
4	audi	A4	20.397	22.255	Passenger	23	
152	volvo	V40	3.545	NaN	Passenger	24	
153	volvo	S70	15.245	NaN	Passenger	27	
154	volvo	V70	17.531	NaN	Passenger	28	
155	volvo	C70	3.493	NaN	Passenger	45	
156	volvo	S80	18.969	NaN	Passenger	36	
157 rows × 19 columns							
4						>	

```
In [319]: # drop a column
    car_sales = car_sales.drop("Fuel_efficiency",axis=1)
    car_sales
```

Out[319]:

	Manufacturer	Model	Sales_in_thousands	year_resale_value	Vehicle_type	Price_in_thousan
0	acura	Integra	854.000	16.360	Passenger	21
1	acura	TL	39.384	19.875	Passenger	28
2	acura	CL	14.114	18.225	Passenger	N
3	acura	RL	8.588	29.725	Passenger	42
4	audi	A4	20.397	22.255	Passenger	23
152	volvo	V40	3.545	NaN	Passenger	24
153	volvo	S70	15.245	NaN	Passenger	27
154	volvo	V70	17.531	NaN	Passenger	28
155	volvo	C70	3.493	NaN	Passenger	45
156	volvo	S80	18.969	NaN	Passenger	36
157 rows × 18 columns						
4						•

In []: