

plot the following graphs on 'Cars93.csv' dataset and conclude

- count plot to compair 'airbags' and car 'type'
- scatter plot to compair min.price and max.price
- line plot to compair enginesize and MPG.city
- histogram on car 'type' and note highest
- box plot to compair 'price' and car 'type' and note the outliers

```
In [47]: import seaborn as sns
import pandas as pd
```

```
In [4]: dat = pd.read_csv('Cars93.csv')
```

```
In [20]: dat.head()
```

```
Out[20]:
```

	Id	Manufacturer	Model	Type	Min.Price	Price	Max.Price	MPG.city	MPG.highway	AirBags	...	Passengers	Length	Wheelbase	Width	Turn.circle
0	1	Acura	Integra	Small	12.9	15.9	18.8	25	31	None	...	5	177	102	68	37
1	2	Acura	Legend	Midsize	29.2	33.9	38.7	18	25	Driver & Passenger	...	5	195	115	71	38
2	3	Audi	90	Compact	25.9	29.1	32.3	20	26	Driver only	...	5	180	102	67	37
3	4	Audi	100	Midsize	30.8	37.7	44.6	19	26	Driver & Passenger	...	6	193	106	70	37
4	5	BMW	535i	Midsize	23.7	30.0	36.2	22	30	Driver only	...	4	186	109	69	39

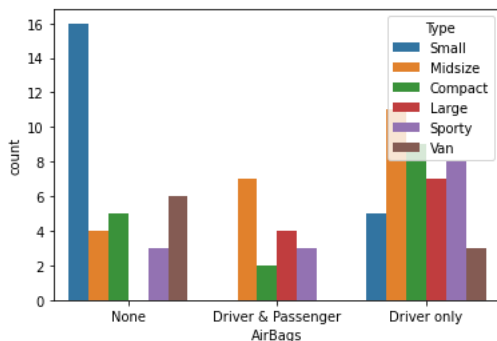
5 rows × 28 columns

```
In [6]: dat.columns
```

```
Out[6]: Index(['Id', 'Manufacturer', 'Model', 'Type', 'Min.Price', 'Price',
              'Max.Price', 'MPG.city', 'MPG.highway', 'AirBags', 'DriveTrain',
              'Cylinders', 'EngineSize', 'Horsepower', 'RPM', 'Rev.per.mile',
              'Man.trans.avail', 'Fuel.tank.capacity', 'Passengers', 'Length',
              'Wheelbase', 'Width', 'Turn.circle', 'Rear.seat.room', 'Luggage.room',
              'Weight', 'Origin', 'Make'],
              dtype='object')
```

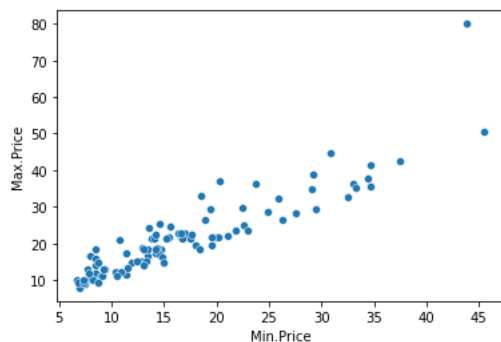
```
In [7]: sns.countplot(x='AirBags', hue='Type', data=dat)
```

```
Out[7]: <AxesSubplot:xlabel='AirBags', ylabel='count'>
```



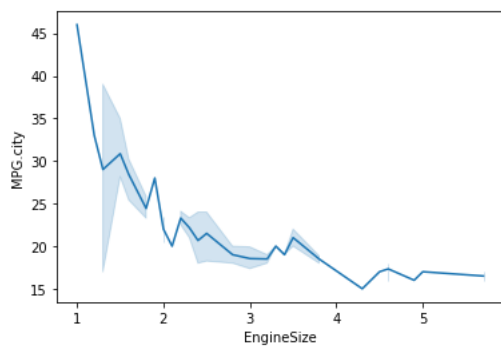
```
In [8]: sns.scatterplot(x='Min.Price',y='Max.Price',data=dat)
```

```
Out[8]: <AxesSubplot:xlabel='Min.Price', ylabel='Max.Price'>
```



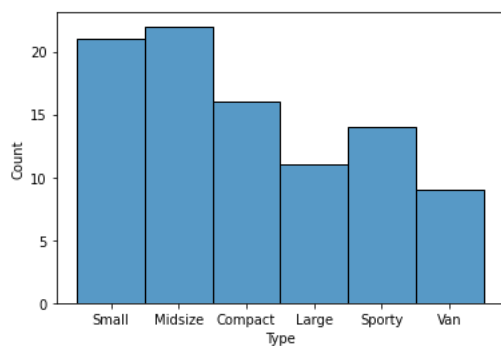
```
In [9]: sns.lineplot(x='EngineSize',y='MPG.city',data=dat)
```

```
Out[9]: <AxesSubplot:xlabel='EngineSize', ylabel='MPG.city'>
```



```
In [10]: sns.histplot(x='Type',data=dat)
```

```
Out[10]: <AxesSubplot:xlabel='Type', ylabel='Count'>
```



```
In [11]: sns.boxplot(x='Type',y="Price",data=dat)
```

```
Out[11]: <AxesSubplot:xlabel='Type', ylabel='Price'>
```

