```
import matplotlib.pyplot as plt
import pandas as pd
import scipy
import seaborn as sns
```

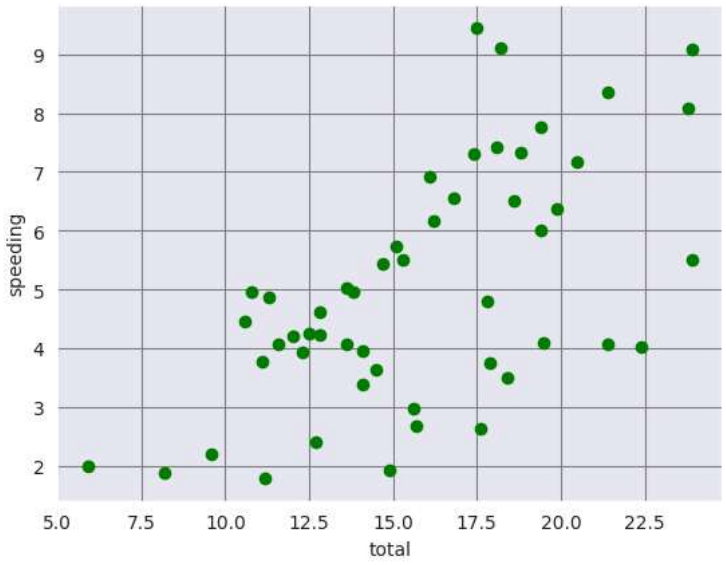
```
dataset=pd.read_csv("/content/car_crashes.csv")
dataset.head()
```

	total	speeding	alcohol	not_distracted	no_previous	ins_premium	ins_losses	abbrev
0	18.8	7.332	5.640	18.048	15.040	784.55	145.08	AL
1	18.1	7.421	4.525	16.290	17.014	1053.48	133.93	AK
2	18.6	6.510	5.208	15.624	17.856	899.47	110.35	AZ
3	22.4	4.032	5.824	21.056	21.280	827.34	142.39	AR
4	12.0	4.200	3.360	10.920	10.680	878.41	165.63	CA

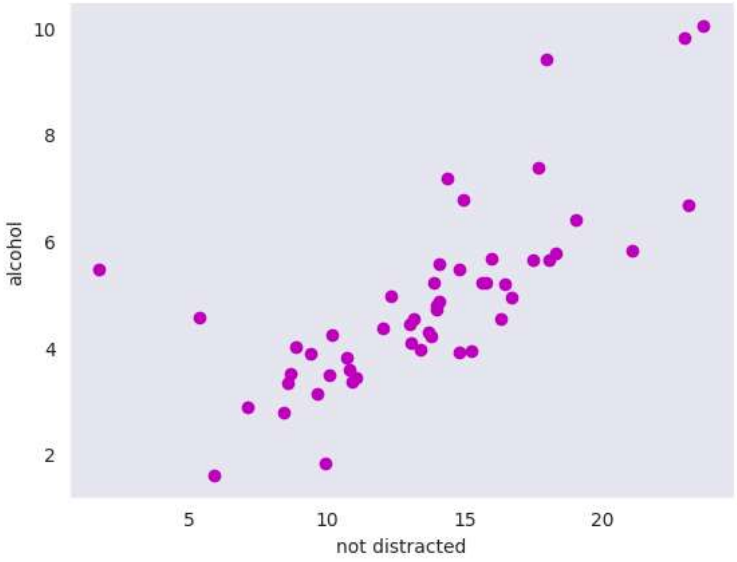
```
dataset.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 51 entries, 0 to 50
Data columns (total 8 columns):
 #   Column          Non-Null Count  Dtype  
---  ------          --------------  -----  
 0   total           51 non-null     float64
 1   speeding        51 non-null     float64
 2   alcohol         51 non-null     float64
 3   not_distracted  51 non-null     float64
 4   no_previous     51 non-null     float64
 5   ins_premium     51 non-null     float64
 6   ins_losses      51 non-null     float64
 7   abbrev          51 non-null     object 
dtypes: float64(7), object(1)
memory usage: 3.3+ KB
```

```
plt.scatter(dataset.total,dataset.speeding,color='g')
sns.set_style('dark')
plt.xlabel("total");
plt.ylabel("speeding")
plt.show()
```

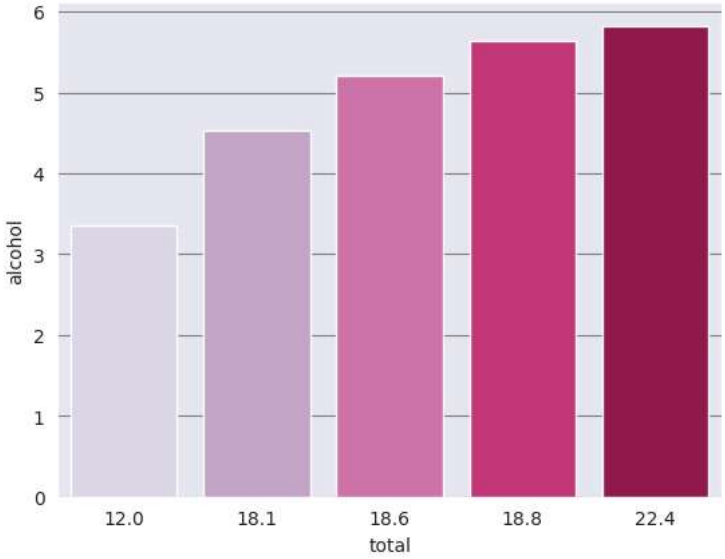



```
plt.scatter('not_distracted','alcohol',data=dataset,color='m')
sns.set_style('darkgrid',{'grid.color':'.5'})
plt.xlabel("not distracted")
plt.ylabel("alcohol")
sns.despine()
```

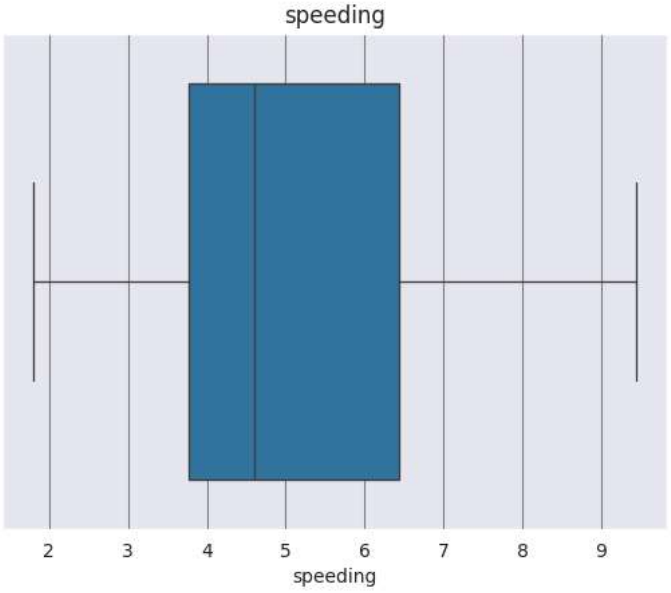



```
b=dataset['alcohol'];
a=dataset['total'];
sns.barplot(x=a[0:5],y=b[0:5],data=dataset,palette="PuRd")
```

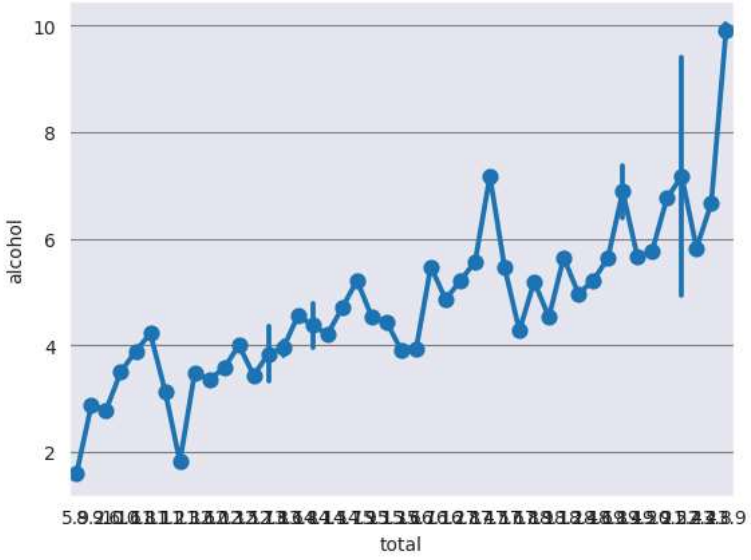
```
<ipython-input-50-680e6273203f>:3: FutureWarning:

Passing `palette` without assigning `hue` is deprecated and will be removed in v0.14.0. Assign the `x` variable to `hue` and set `le

  sns.barplot(x=a[0:5],y=b[0:5],data=dataset,palette="PuRd")
<Axes: xlabel='total', ylabel='alcohol'>
```




```
sns.boxplot(x=dataset.speeding)
plt.xlabel("speeding")
plt.title("speeding")
plt.show()
```




```
sns.pointplot(x="total", y="alcohol", data=dataset)
plt.show()
```




```
plt.hist(dataset.alcohol,color='r',bins=20)
```

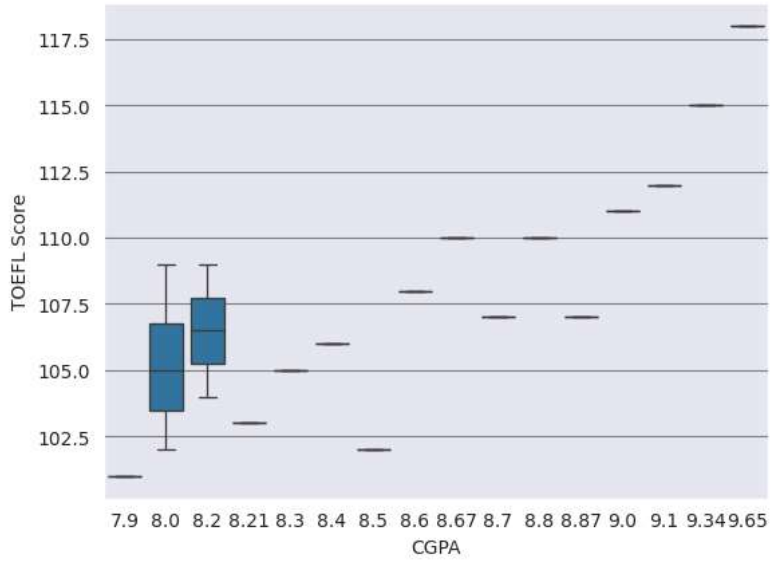
```
(array([2., 0., 1., 2., 6., 7., 7., 6., 4., 7., 1., 1., 2., 2., 0., 0., 0.,
        0., 1., 2.]),
```

```
df=pd.read_excel("/content/add.xlsx")
df.head()
```

	Serial No.	GRE Score	TOEFL Score	University Rating	SOP	LOR	CGPA	Research	Chance of Admit
0	1	337	118	4	4.5	4.5	9.65	1	0.92
1	2	324	107	4	4.0	4.5	8.87	1	0.76
2	3	316	104	3	3.0	3.5	8.00	1	0.72
3	4	322	110	3	3.5	2.5	8.67	1	0.80
4	5	314	103	2	2.0	3.0	8.21	0	0.65

```
x=df["CGPA"]
y=df["TOEFL Score"]
sns.boxplot(x=x[0:20],y=y[0:20],data=df)
```

```
<Axes: xlabel='CGPA', ylabel='TOEFL Score'>
```




```
plt.hist("chance to Admit")
```

```
(array([0., 0., 0., 0., 0., 1., 0., 0., 0., 0.]),
 array([-0.5, -0.4, -0.3, -0.2, -0.1,  0. ,  0.1,  0.2,  0.3,  0.4,  0.5]),
 <BarContainer object of 10 artists>)
```