```
import seaborn as sns
```

```
print(sns.get_dataset_names())
```

```
['anagrams', 'anscombe', 'attention', 'brain_networks', 'car_crashes', 'diamonds', 'dots', 'dowjones', 'exercise', 'flights', 'fmri
```

```
df=sns.load_dataset('car_crashes')
```

```
df
```

	total	speeding	alcohol	not_distracted	no_previous	ins_premium	ins_losses
0	18.8	7.332	5.640	18.048	15.040	784.55	145.08
1	18.1	7.421	4.525	16.290	17.014	1053.48	133.93
2	18.6	6.510	5.208	15.624	17.856	899.47	110.35
3	22.4	4.032	5.824	21.056	21.280	827.34	142.39
4	12.0	4.200	3.360	10.920	10.680	878.41	165.63
5	13.6	5.032	3.808	10.744	12.920	835.50	139.91
6	10.8	4.968	3.888	9.396	8.856	1068.73	167.02
7	16.2	6.156	4.860	14.094	16.038	1137.87	151.48
8	5.9	2.006	1.593	5.900	5.900	1273.89	136.05
9	17.9	3.759	5.191	16.468	16.826	1160.13	144.18

```
df.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
```

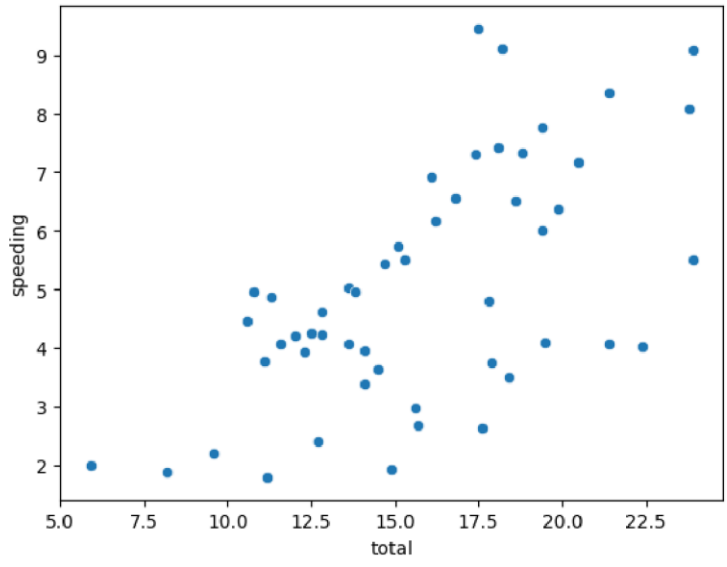
20	12.5	4.250	4.000	8.875	12.375	1048.78	192.70

```
df.head(5)
```

	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

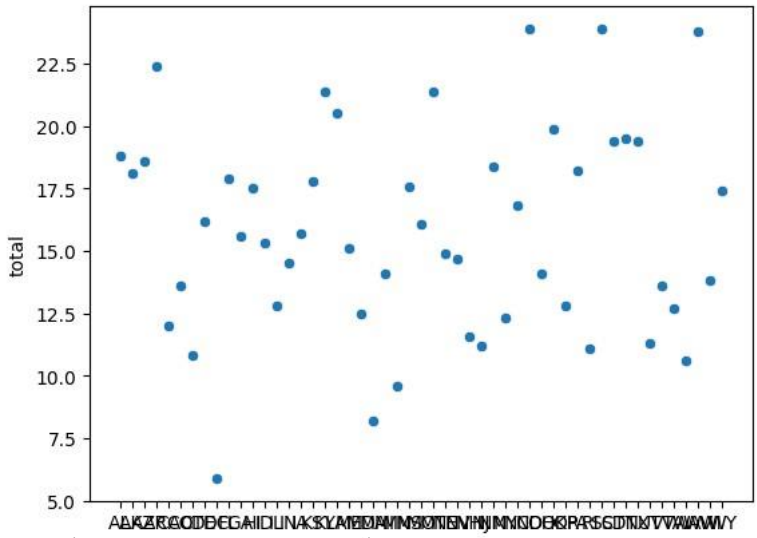
```
sns.scatterplot(x="total",y="speeding",data=df)
```

```
<Axes: xlabel='total', ylabel='speeding'>
```



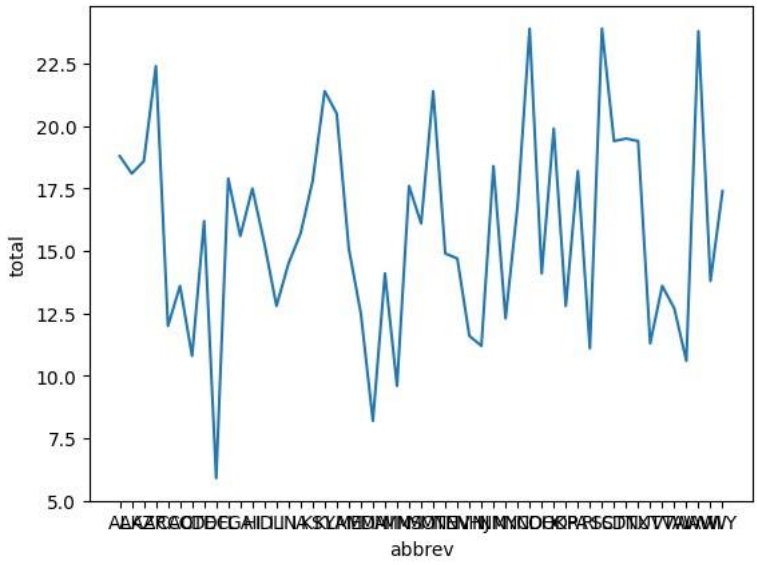

```
sns.scatterplot(x="abbrev",y="total",data=df)
```

```
<Axes: xlabel='abbrev', ylabel='total'>
```




```
sns.lineplot(x="abbrev",y="total",data=df)
```

```
<Axes: xlabel='abbrev', ylabel='total'>
```




```
sns.distplot(df["alcohol"])
```

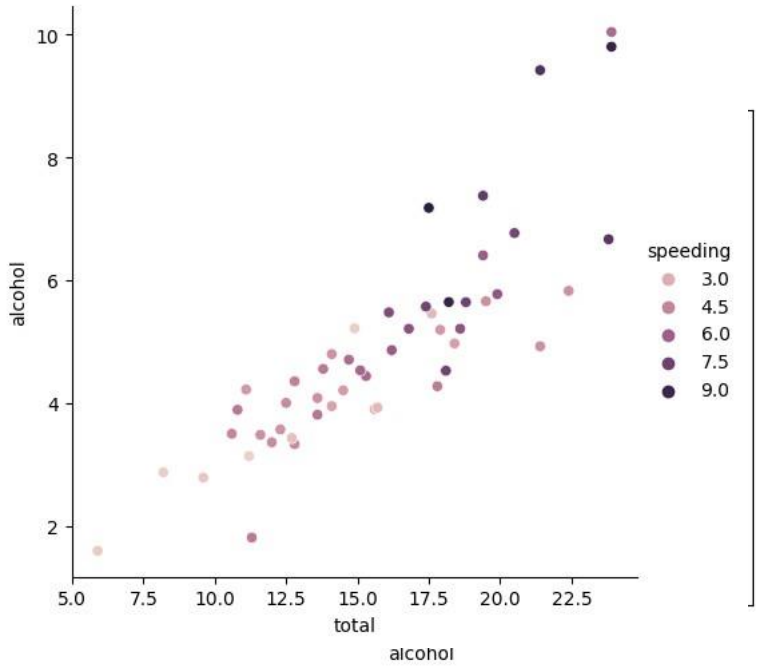
```
<ipython-input-23-281d56044cde>:1: UserWarning:

`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

Please adapt your code to use either `displot` (a figure-level function with
sns.relplot(x="total",y="alcohol",data=df,hue="speeding")
similar flexibility) or `histplot` (an axes-level function for histograms).

<seaborn.axisgrid.FacetGrid at 0x7b62d30ae740>
```

```
For a guide to updating your code to use the new
functions, please see
```



https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751

```
df["speeding"].value_counts()
```

```
4.968    2
7.332    1
9.100    1
5.439    1
4.060    1
1.792    1
3.496    1
3.936    1
6.552    1
5.497    1
3.948    1
6.368    1
4.224    1
3.774    1
8.346    1
9.082    1
6.014    1
4.095    1
7.760    1
4.859    1
4.080    1
2.413    1
4.452    1
8.092    1
1.937    1
6.923    1
7.421    1
2.640    1
```

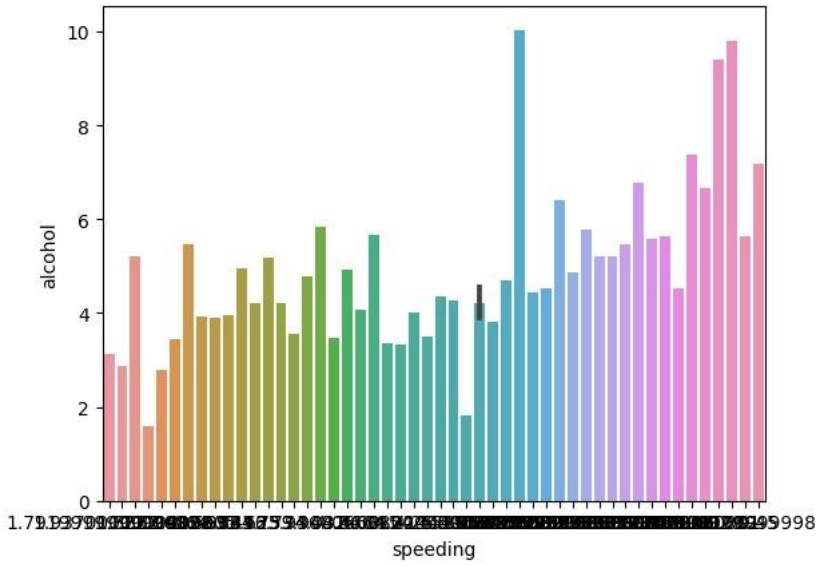
```
6.510    1
4.032    1
4.200    1
5.032    1
6.156    1
2.006    1
3.759    1
2.964    1
9.450    1
5.508    1
4.608    1
3.625    1
2.669    1
4.806    1
4.066    1
7.175    1
5.738    1
4.250    1
1.886    1
3.384    1
2.208    1

7.308    1


Name: speeding, dtype: int64
```

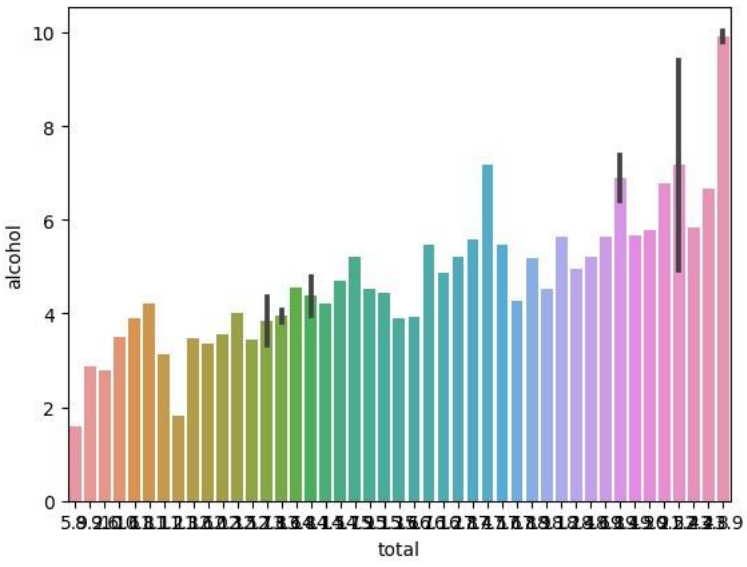
```
sns.barplot(data=df,x="speeding",y="alcohol")
```

```
<Axes: xlabel='speeding', ylabel='alcohol'>
```




```
sns.barplot(data=df,x="total",y="alcohol")
```

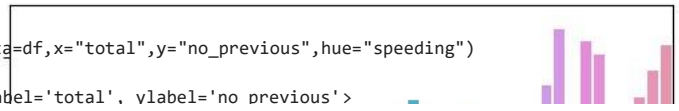
```
<Axes: xlabel='total', ylabel='alcohol'>
```



```
sns.barplot(data=df,x="alcohol",y="no_previous",ci=None)
```

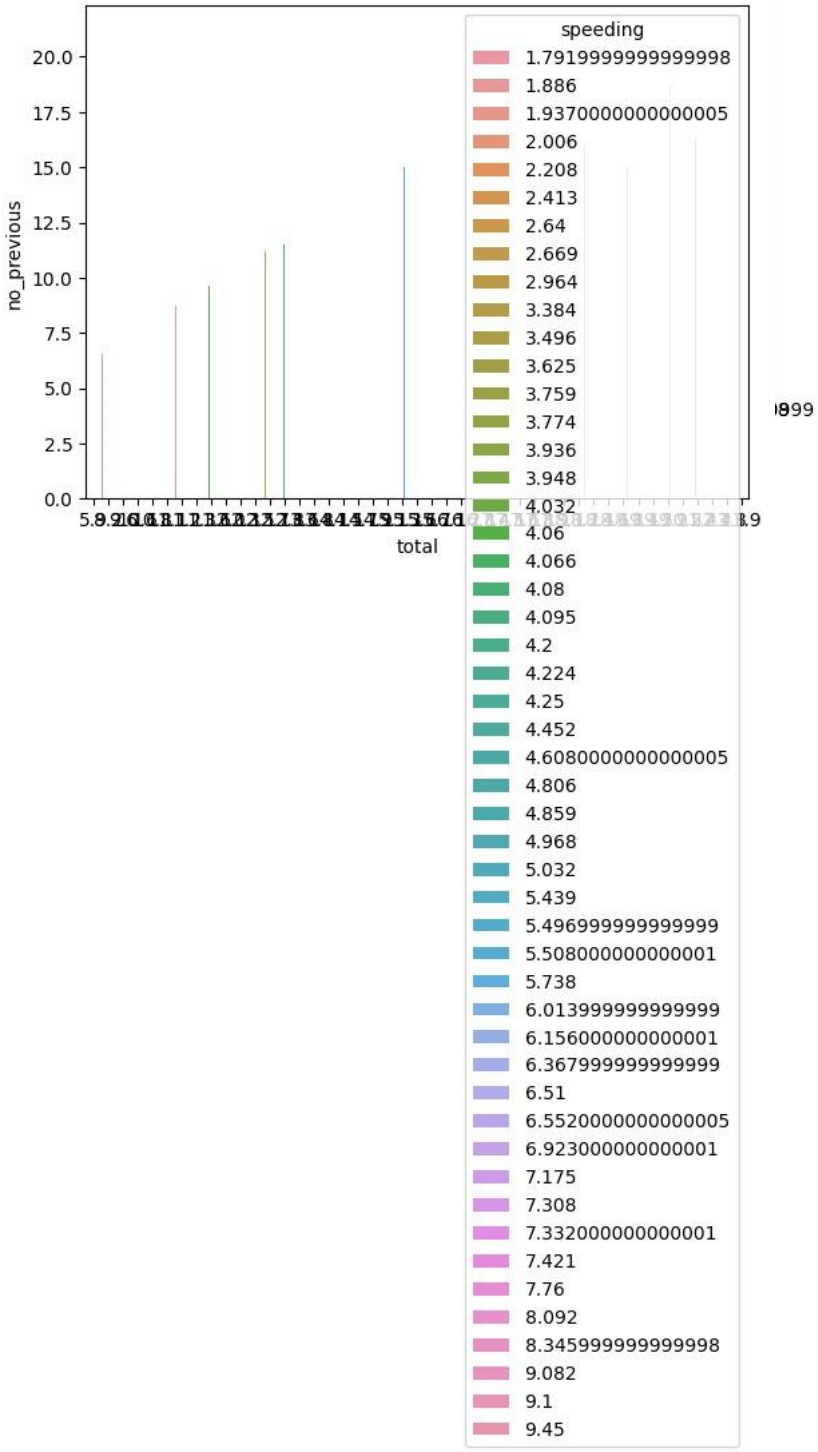
```
<ipython-input-28-3258393bc21a>:1: FutureWarning: The `ci` parameter is deprecated. Use `errorbar=None` for the same effect.

  sns.barplot(data=df,x="alcohol",y="no_previous",ci=None)
<Axes: xlabel='alcohol', ylabel='no_previous'>
```



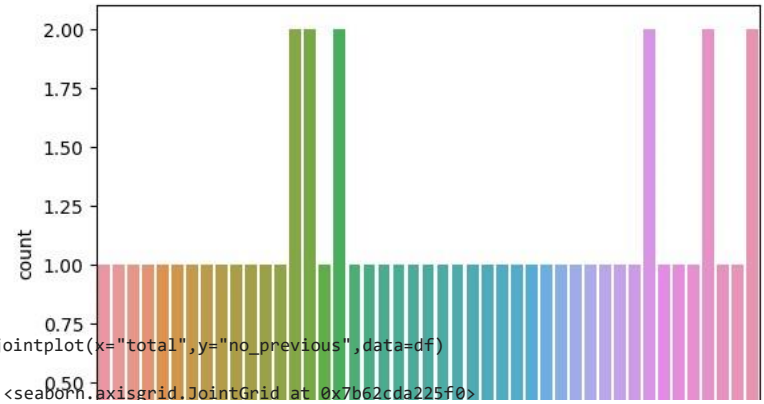
```
sns.barplot(data=df,x="total",y="no_previous",hue="speeding")
```

```
<Axes: xlabel='total', ylabel='no_previous'>
```



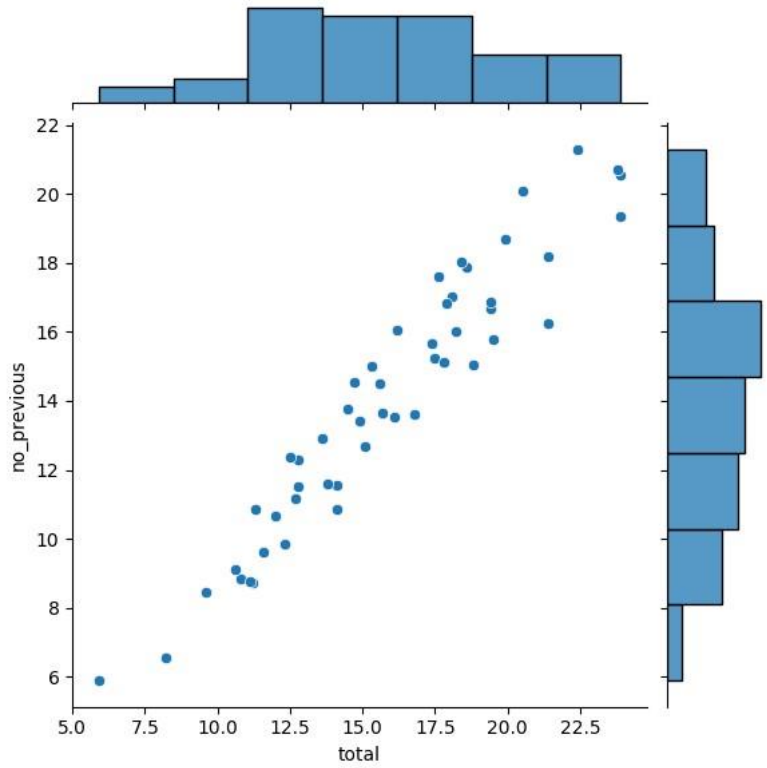

```
sns.countplot(x="total",data=df)
```

```
<Axes: xlabel='total', ylabel='count'>
```



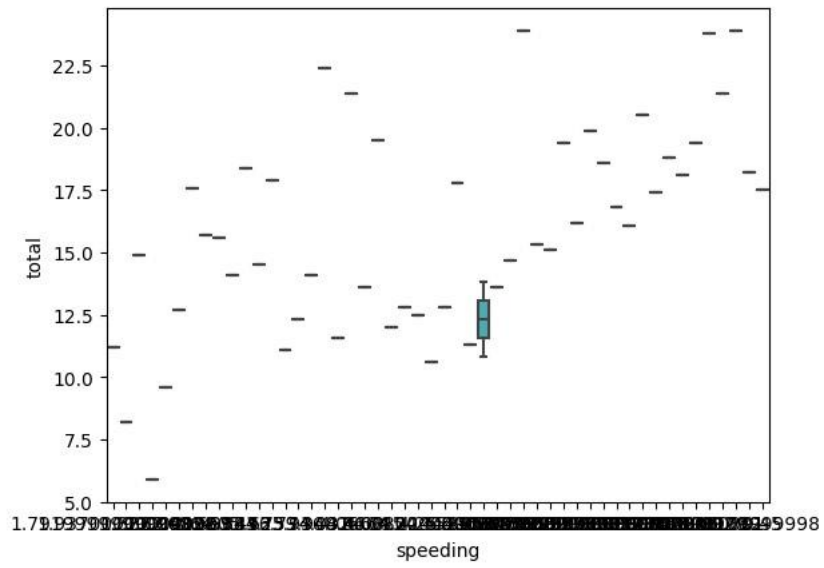

```
sns.jointplot(x="total",y="no_previous",data=df)
```

```
<seaborn.axisgrid.JointGrid at 0x7b62cda225f0>
```




```
sns.boxplot(x="speeding",y="total",data=df)
```

```
<Axes: xlabel='speeding', ylabel='total'>
```



```
df.corr()
```

```
<ipython-input-35-d3558a8d14ee>:1: FutureWarning: The default value of numeric_only in DataFrame.corr i
  df.corr()
```

	total	speeding	alcohol	not_distracted	no_previous	ins_premium	ins_losses
total	1.000000	0.611548	0.852613	0.827560	0.956179	-0.199702	-0.036011
speeding	0.611548	1.000000	0.669719	0.588010	0.571976	-0.077675	-0.065928
alcohol	0.852613	0.669719	1.000000	0.732816	0.783520	-0.170612	-0.112547
not_distracted	0.827560	0.588010	0.732816	1.000000	0.747307	-0.174856	-0.075970
no_previous	0.956179	0.571976	0.783520	0.747307	1.000000	-0.156895	-0.006359
ins_premium	-0.199702	-0.077675	-0.170612	-0.174856	-0.156895	1.000000	0.623116
ins_losses	-0.036011	-0.065928	-0.112547	-0.075970	-0.006359	0.623116	1.000000