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21BCE9516

```python
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

```python
data = sns.load_dataset('car_crashes')
```

```python
data.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

```python
data.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
```

```python
sns.scatterplot(x = 'total', y = 'speeding', data = data)
```

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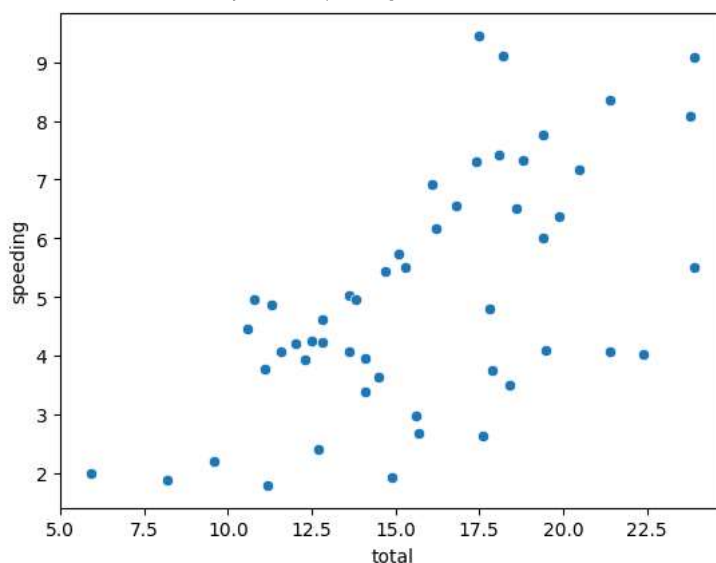


```python
plt.figure(figsize = (12,6))
```
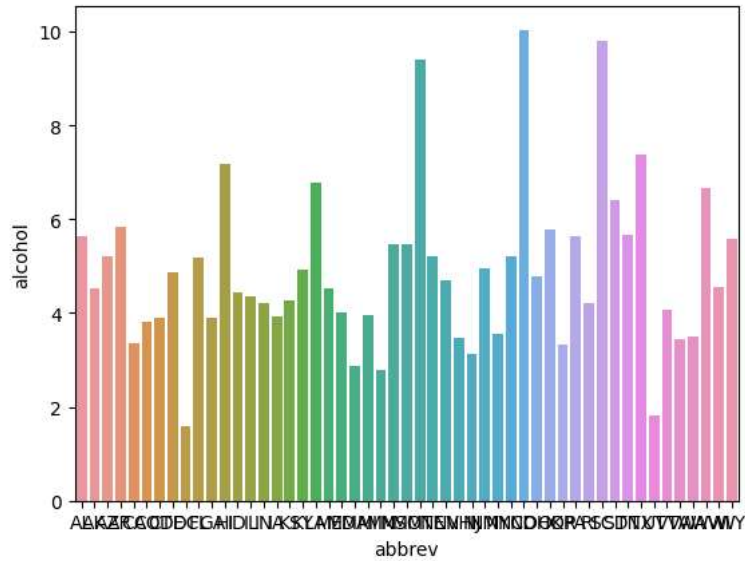
```
<Figure size 1200x600 with 0 Axes>
<Figure size 1200x600 with 0 Axes>
```
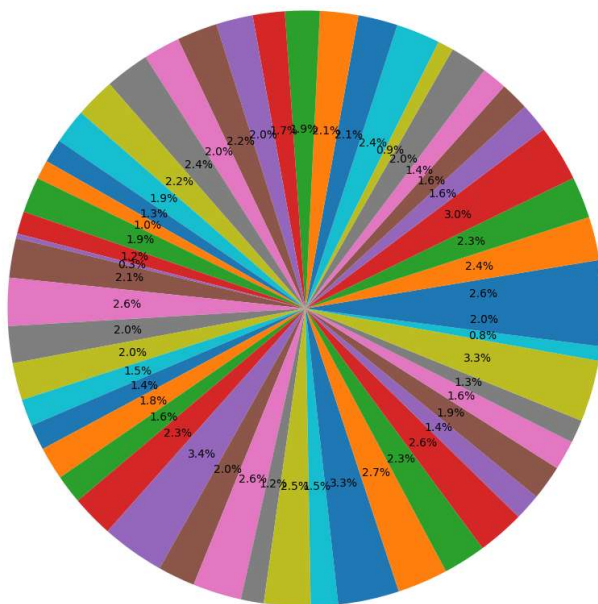
```
sns.barplot(x = 'abbrev', y = 'alcohol', data = data)
```

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



```
plt.figure(figsize = (12,12))
plt.pie(data['not_distracted'], autopct = '%1.1f%%')
plt.show()
```
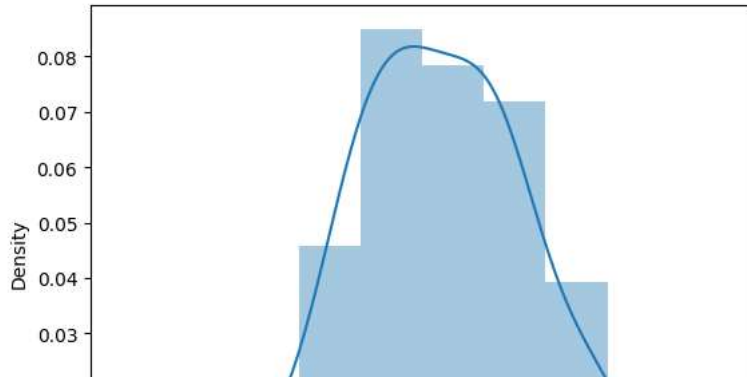


```
sns.distplot(data['total'])
```

```
<ipython-input-25-0ba5c311953d>: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
similar flexibility) or `histplot` (an axes-level function for histograms).

For a guide to updating your code to use the new functions, please see
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751

  sns.distplot(data['total'])
<Axes: xlabel='total', ylabel='Density'>
```
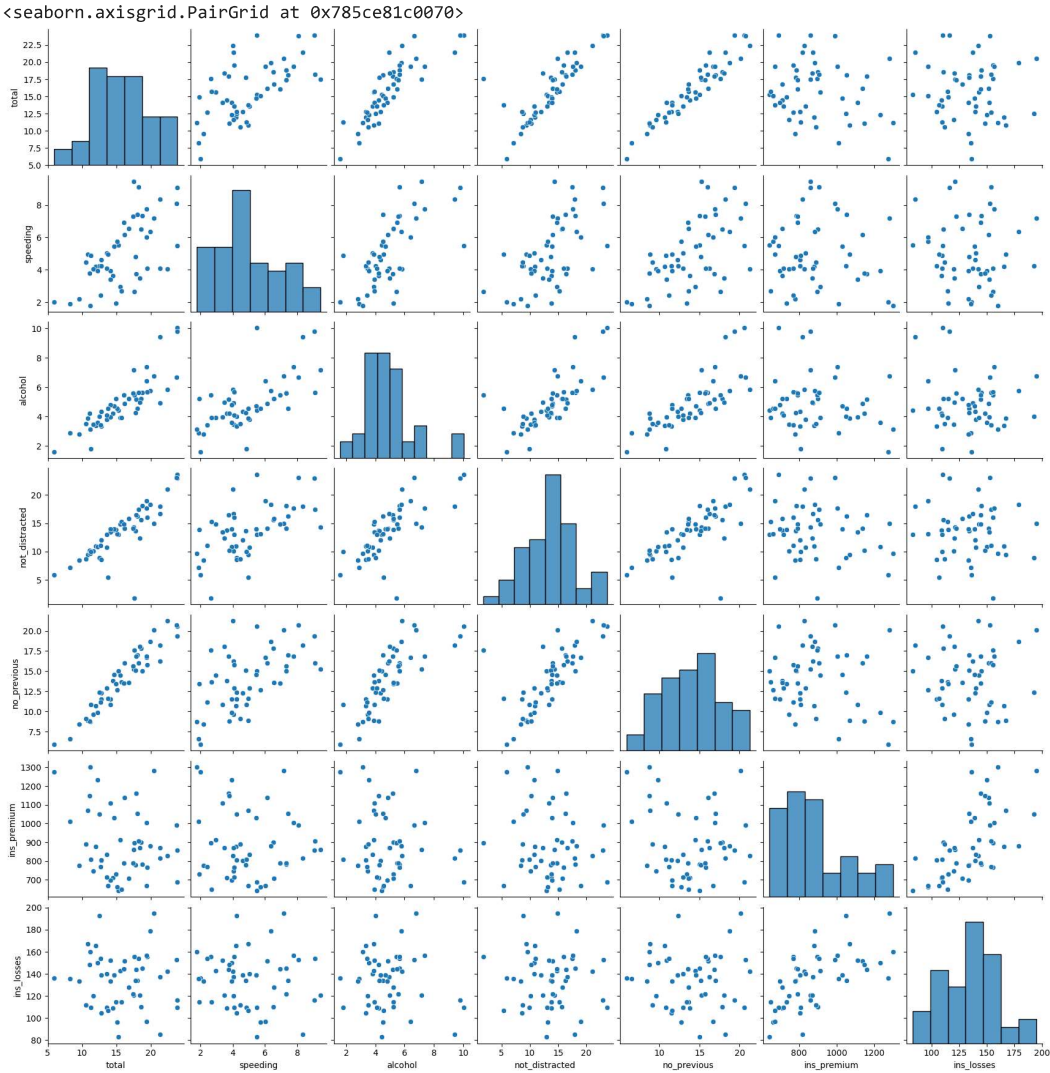


```
sns.pairplot(data)
```

`<seaborn.axisgrid.PairGrid at 0x785ce81c0070>`

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