

```
import seaborn as sns
```

- `sns.load_dataset(name, cache=True, data_home=None, **kwargs)`
 - **name** : `tips` | `'iris'` | `'flights'` | ...
 - **cache** : `True` | ...
 - **data_home** : `~/seaborn-data` | ...
 - ****kwargs** : ...

- `sns.displot(data=None, x=None, y=None, kind='hist', ...)`:
 - **data**: pandas DataFrame
 - **x**: x-axis variable name
 - **y**: y-axis variable name
 - **kind**: plot type ('hist', 'kde', 'line')

- `sns.jointplot(x, y, data, kind)`

- **x :**
 - `str`
 - `x` 1D array-like
- **y :**
 - `str`
 - `y` 1D array-like
- **data :**
 - `DataFrame`
 - array-like or Pandas `DataFrame`
- **kind :**
 - `str`
 - `kind`
 - `'scatter'` scatter plot
 - `'kde'` kernel density estimate
 - `'hist'` histogram
 - `'hex'` hexagonal bin plot

```
import seaborn as sns
import matplotlib.pyplot as plt

## Load dataset
tips = sns.load_dataset("tips")

## Jointplot
sns.jointplot(x='total_bill', y='tip', data=tips, kind='scatter')

## Show plot
plt.show()
```

Figure

Figure

- `sns.kdeplot(x,y,)`
 - **data :**
 - array-like or `DataFrame`
 - 1D array-like
 - **x :**

- `str` `array-like`
- `data` `array-like`
- **bw_adjust** :
 - `float`
 - `1`
- **fill** :
 - `bool`
 - KDE `False`
- **color** :
 - `str`
 - `array-like`
- **alpha** :
 - `float`
 - `0` `1` `1`
- **ax** :
 - `matplotlib.axes.Axes`
 - `array-like`
- **legend** :
 - `bool`
 - `True`

```
import seaborn as sns
import matplotlib.pyplot as plt

## 数据加载
tips = sns.load_dataset("tips")

## 核密度估计
sns.kdeplot(data=tips['total_bill'], fill=True, color='blue', bw_adjust=0.5)

## 标题
plt.title('Kernel Density Estimate of Total Bill')

## 显示
plt.show()
```