```
\begin{array}{l} \textbf{1.}\\ \textbf{mat-plotlib}\\ y =\\ sin(x)\\ \textbf{??}\\ \textbf{pan-das}\\ \textbf{??}\\ \textbf{pan-das}\\ \textbf{??}\\ \textbf{y} =\\ sin(x)\\ \textbf{3.}\\ \textbf{seaborn}\\ \textbf{??}\\ \textbf{??}\\ \textbf{?}\\ \textbf{y} =\\ sin(x)\\ \textbf{plot}([\mathbf{x}],\\ \textbf{y},\\ [\mathbf{fmt}],\\ \textbf{**kwargs}) \end{array}
```

??

```
 \begin{array}{l} ??\\ minus'] = \\ False\\ ??\\ \\ minus'] = \\ False\\ -ate = \\ [9.4, 10.6, 9.6, 7.9, 7.8, 7.3, 6.9, 6.7, 6.8, 6.6] first_industry_rate = \\ [4.0, 4.3, 4.2, 4.50, 3.8, 4.1, 3.9, 3.3, 4.0, 3.5] second_industry_rate = \\ [10.3, 12.7, 10.7, 8.4, 8.0, 7.4, 6.2, 6.3, 5.9, 5.8] third_industry_rate = \\ [9.6, 9.7, 9.5, 8.0, 8.3, 7.8, 8.2, 7.7, 7.9, 7.6] years = \\ [2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018] \\ rate,' .-', label ='\\ GDP') plt.plot(years, first_industry_rate,' .-', label ='\\ ') plt.plot(years, second_industry_rate,' .-', label ='\\ ') plt.plot(years, third_industry_rate,' .-', label ='\\ ') plt.plot(years, third_industr
```

```
[n,
bins,
patches]
hist(x,
[bins],
**kwargs)
```

```
??
pie(x,
[ex-
pode],
[la-
bels],
[au-
topic],
**kwargs)
```

$$\begin{array}{l} {}_{m}inus'] = \\ {}_{False} \\ {}_{m}inus'] = \\ {}_{False} \end{array}$$