## 1.什么是Matplotlib?为什么要学习matplotlib？

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## 2.Matplotlib的基本要点

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| #设置x轴的刻度 #plt.xticks(x) #根据x这个range的每一个值来绘制刻度 #把刻度设置得再密集一些 plt.xticks(range(2, 26)) |
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## 3.MapPlotlib散点图、直方图、柱状图

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## 4.更多的画图工具

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| **1.echarts :** [**Examples - Apache ECharts**](https://echarts.apache.org/examples/zh/index.html)  **这个需要后端把数据传递给前端,在前端进行数据的显示.适合前后端分离的开发模式.** |
| **2.plotly:** [**Plotly Python Graphing Library**](https://plotly.com/python/) Installation plotly may be installed using pip:  $ pip install plotly==5.10.0  or conda:  $ conda install -c plotly plotly=5.10.0  This package contains everything you need to write figures to standalone HTML files.  Dash组件:  [Part 1. Installation | Dash for Python Documentation | Plotly](https://dash.plotly.com/installation) |
| 3.seaborn : [seaborn: statistical data visualization — seaborn 0.12.0 documentation (pydata.org)](https://seaborn.pydata.org/)  注意:没有上面两个好 Installing and getting started Official releases of seaborn can be installed from [PyPI](https://pypi.org/project/seaborn/):  pip install seaborn  The basic invocation of pip will install seaborn and, if necessary, its mandatory dependencies. It is possible to include optional dependencies that give access to a few advanced features:  pip install seaborn**[**stats**]**  The library is also included as part of the [Anaconda](https://repo.anaconda.com/) distribution, and it can be installed with conda:  conda install seaborn  As the main Anaconda repository can be slow to add new releaes, you may prefer using the [conda-forge](https://conda-forge.org/) channel:  conda install seaborn **-**c conda**-**forge DependenciesSupported Python versions  * Python 3.7+  Mandatory dependencies需要以下依赖项  * [numpy](https://numpy.org/) * [pandas](https://pandas.pydata.org/) * [matplotlib](https://matplotlib.org/) |