

AI Champions Hub :

Advanced Python

Data Visualisation Using Matplotlib

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Artificial Intelligence Champions Hub (ACH)

- AIChampionsHub.com | AIChampionsHub.ai

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Visualization

- **INTRODUCTION TO MATPLOTLIB**
- **WHAT IS MATPLOTLIB?: MATPLOTLIB IS A POWERFUL PYTHON LIBRARY USED FOR CREATING STATIC, ANIMATED, AND INTERACTIVE VISUALIZATIONS IN PYTHON. IT IS WIDELY USED FOR DATA ANALYSIS AND VISUALIZATION.**
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- **IMPORTING MATPLOTLIB: TO USE MATPLOTLIB, IMPORT THE PYPLOT MODULE WITH `IMPORT MATPLOTLIB.PYPLOT AS PLT`.**

Visualization

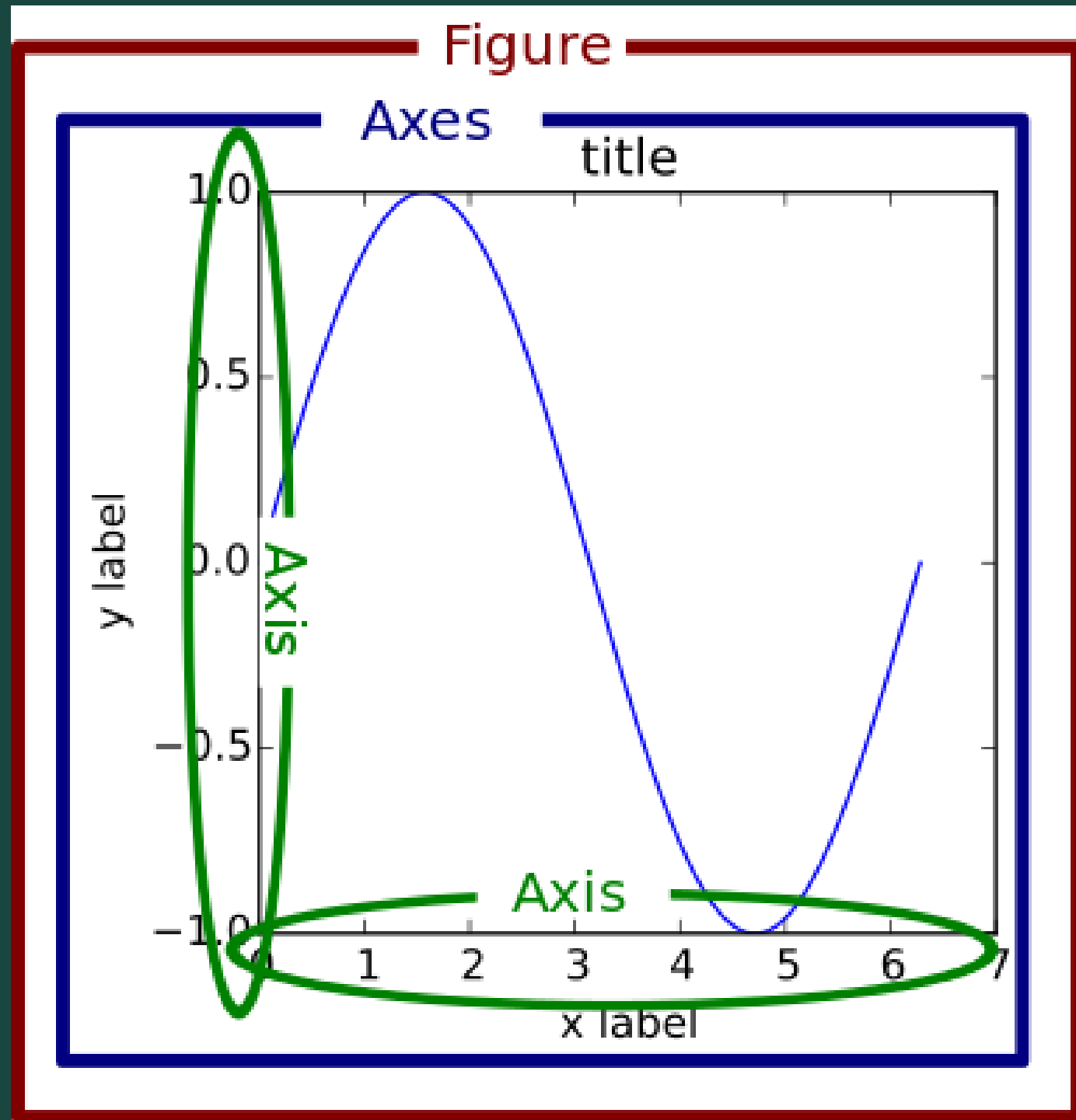
DATA VISUALIZATION IS THE GRAPHICAL REPRESENTATION OF INFORMATION AND DATA.

BY USING VISUAL ELEMENTS LIKE CHARTS, GRAPHS, AND MAPS, DATA VISUALIZATION TOOLS PROVIDE AN ACCESSIBLE WAY TO SEE AND UNDERSTAND TRENDS, OUTLIERS, AND PATTERNS IN DATA.

ADDITIONALLY, IT PROVIDES AN EXCELLENT WAY FOR EMPLOYEES OR BUSINESS OWNERS TO PRESENT DATA TO NON-TECHNICAL AUDIENCES WITHOUT CONFUSION.

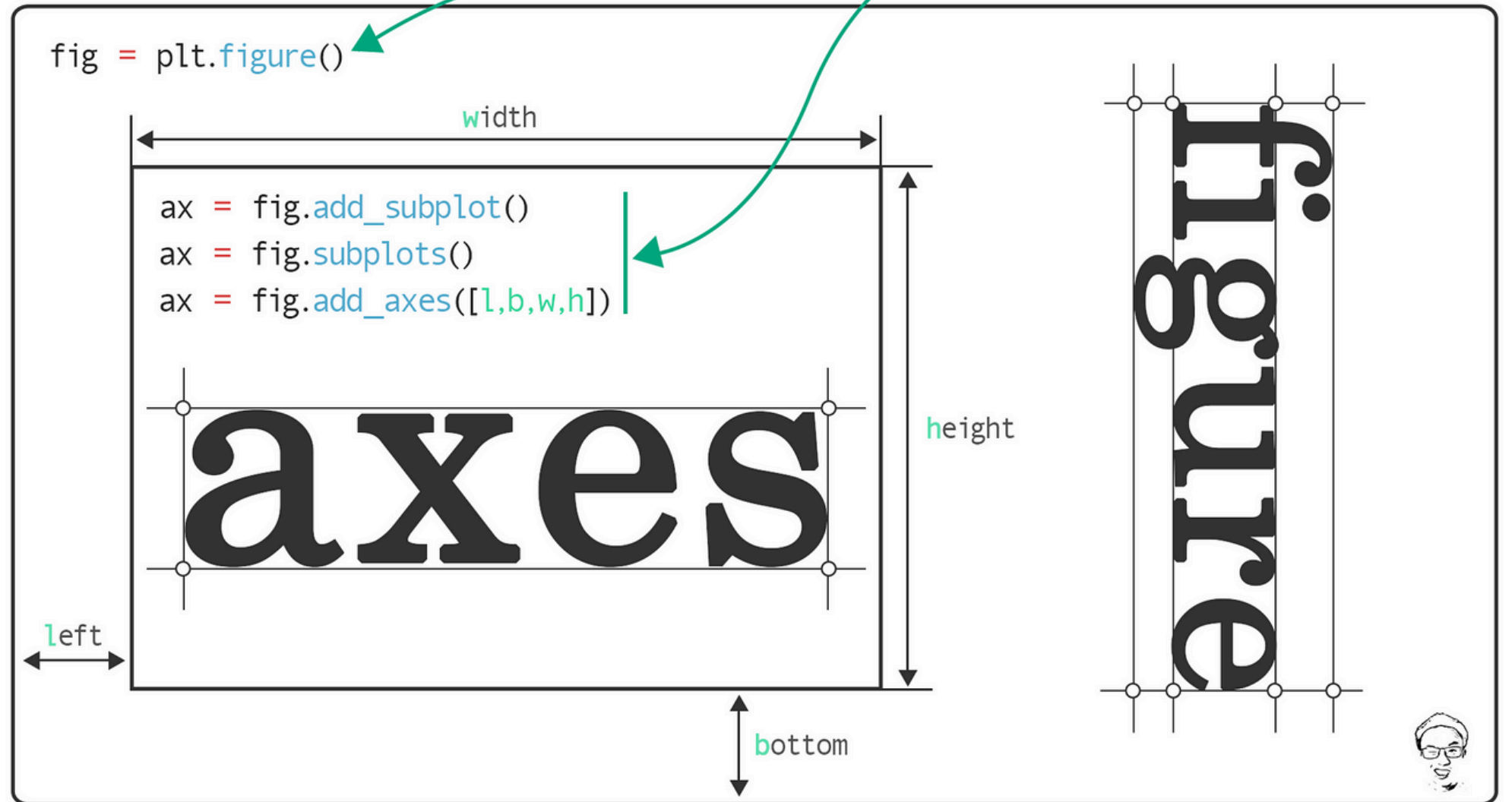


Matplotlib

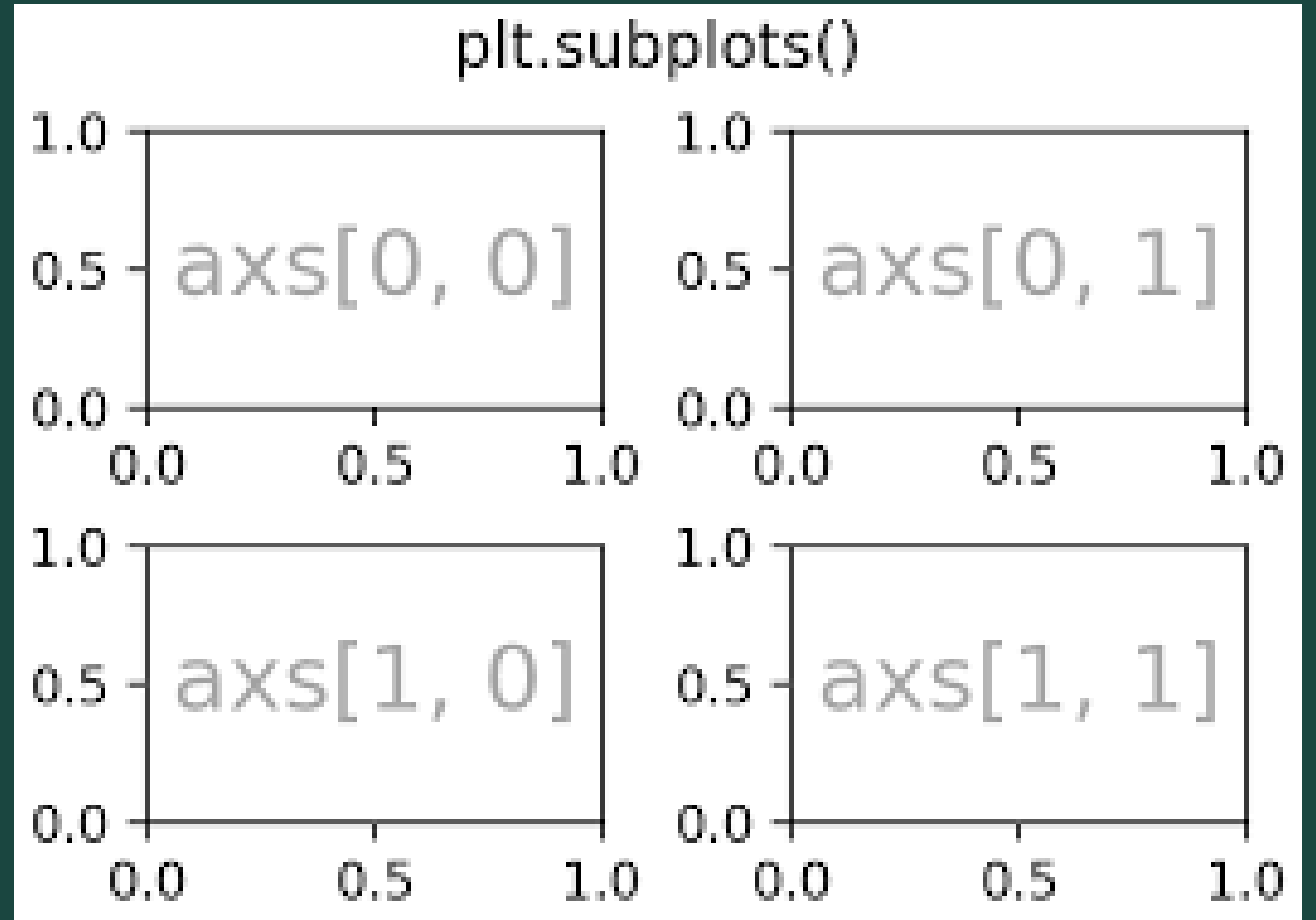
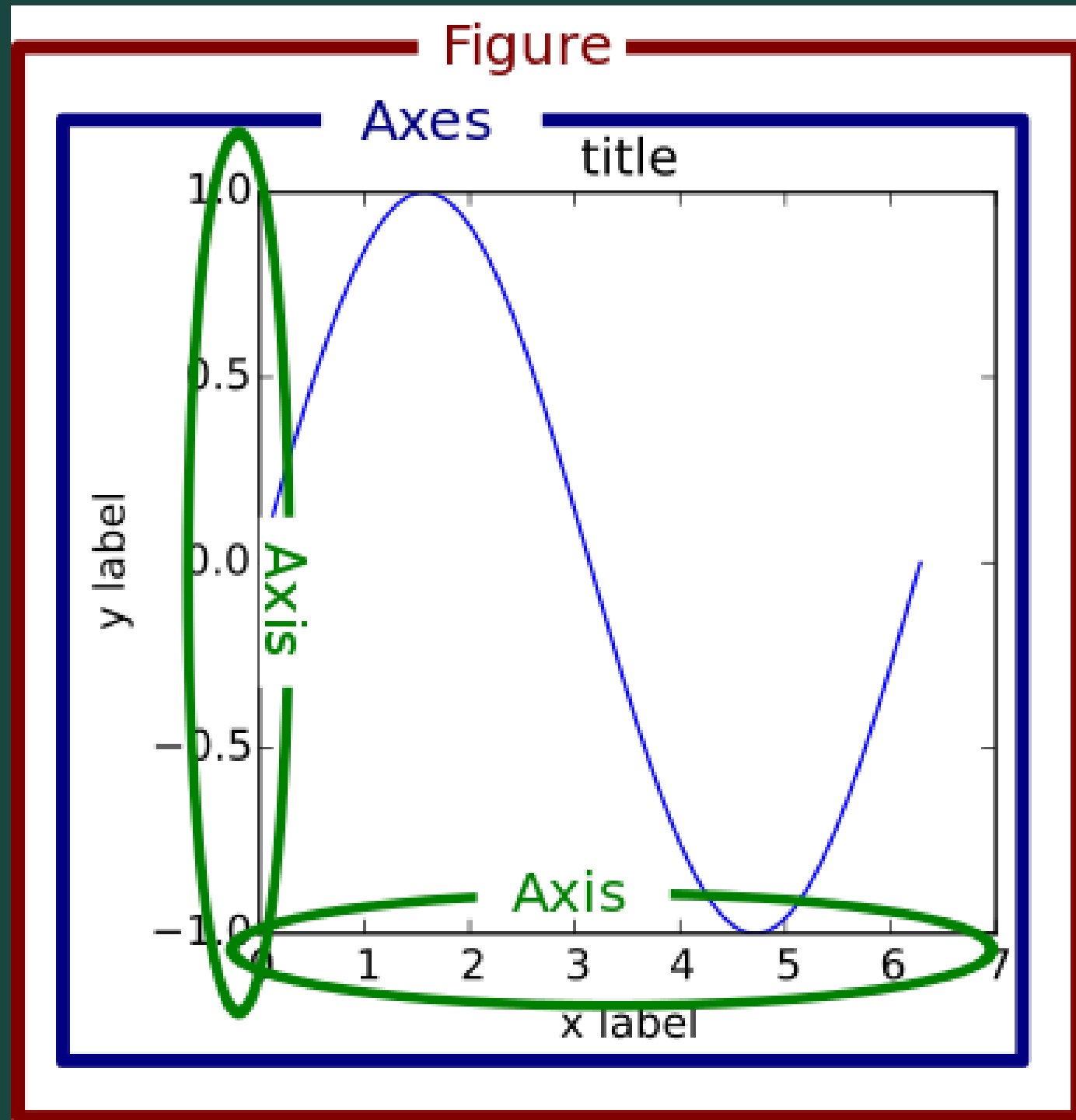


matplotlib

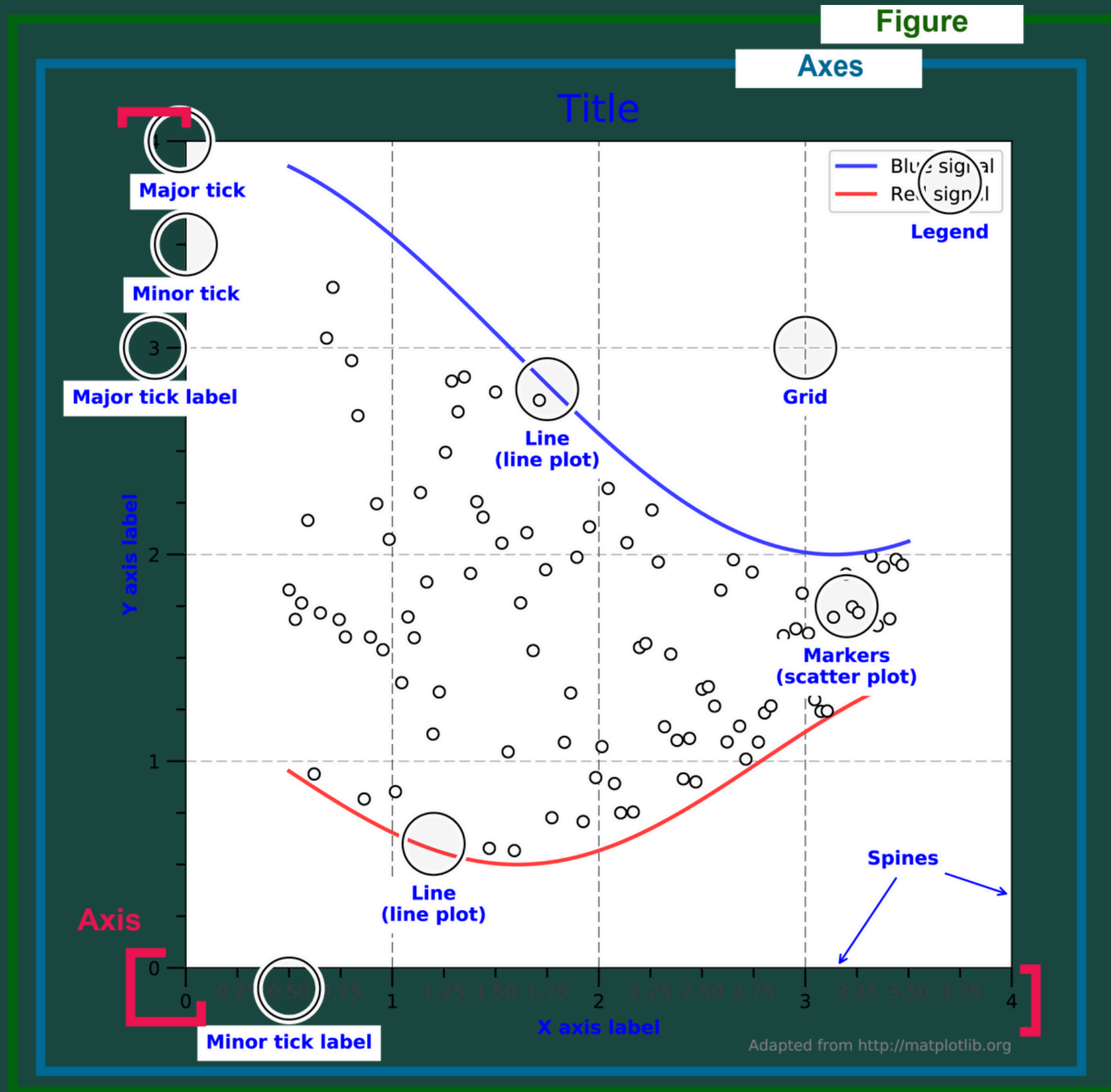
```
fig, ax = plt.subplots()
ax = plt.subplot()
ax = plt.axes([l,b,w,h])
```



Matplotlib



Matplotlib



- 1 Prepare Data
- 2 Create Plot
- 3 Plot
- 4 Customized Plot
- 5 Save Plot
- 6 Show Plot



**Vibrant
Community
of AI
Enthusiats !**

A Vibrant Community

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