

**Python技能课——数据可视化**

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Python技能一班/二班教案

1. Introduction to GitHub (version control)
2. Start using the Git

Do first commit

Do a revert to stop changes

(useful when editing the file)

1. Introduction to anaconda and spyder (IDE)
2. Use the matplotlib to plot some lines with/without labels

Question: Let python calculate the data for us

Other tools: PYGAL Line (Check the API in class)

1. Use the matplotlib to plot scatters.

Question: Use for loop to plot several scatters

Question: Let python calculate the data for us

1. Simulate random walk by using the class

Question: Plot the random walk in a circle

1. Simulate one die roll by using the class
2. Simulate two dice roll & two different dice roll
3. Use PYGAL Bar to visualize the results

Consider: Bar or Line?

1. Use matplotlib and CSV to visualize

