

Learning AI from AI

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Why Python

What makes Python great?

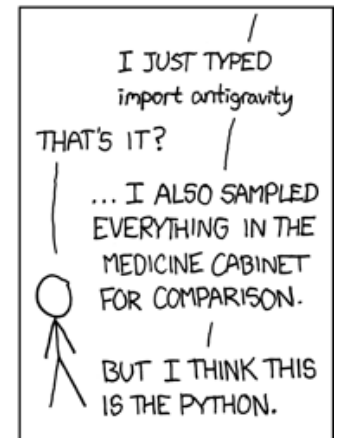
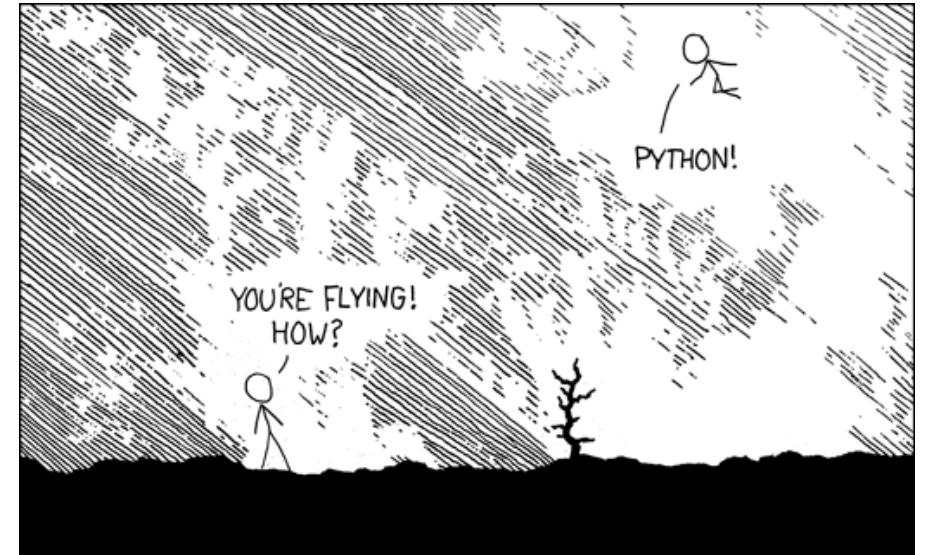
- Dynamic language (no compiling)
- Interactive (Jupyter and Colab notebooks)
- Lots of packages
- Great **community**

Python is currently the most **popular** programming language.

Community

A large community means:

- Many of your questions are answered online.
- Great packages for many specialized problems.
- AI assistants have a **large codebase** to learn from.



... I ALSO SAMPLED EVERYTHING IN THE MEDICINE CABINET FOR COMPARISON.
BUT I THINK THIS IS THE PYTHON.

Packages

- **Python** has 70 built-in functions.
- **NumPy** has around 600 functions.
- **Scipy** has around 6,000 functions.

How do we become proficient?

Find and synthesize information effectively rather than be proficient in using the packages and knowing the syntax.

Jacob Hale

The standard approach is to switch back and forth between your code and your browser with multiple tabs open.

→ There's a better way!

GitHub Copilot



Links for testing

- [Introduction to Python](#)
- [Learning Machine Learning](#)