Introduction to

python

Why learn to write code

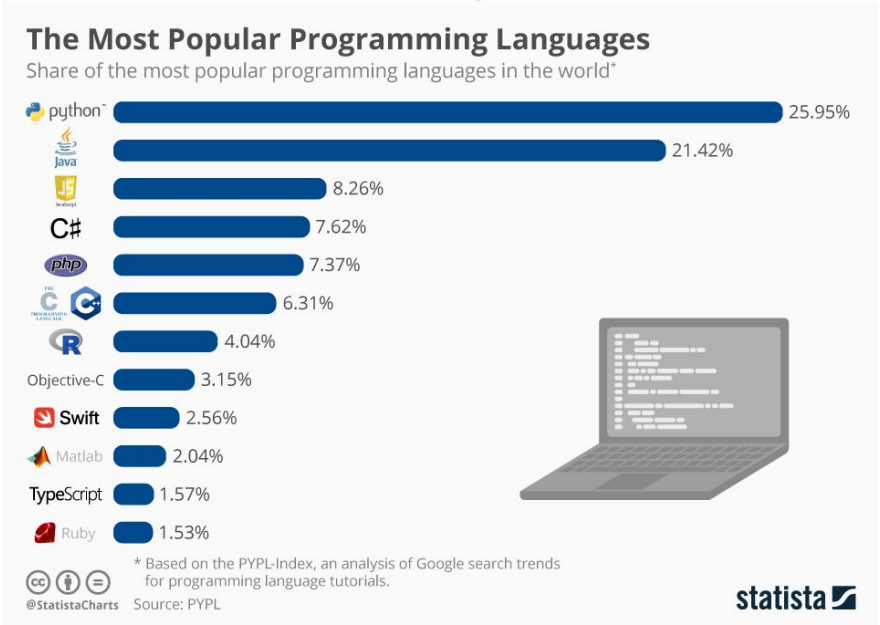
1. Write your own tools
2. Modifying existing code
3. Understand and troubleshoot the tools you use
4. Make figures

Why learn python

1. It’s accessible
2. It has tons of packages for scientific computing
3. It’s popular

Why learn python

1. It’s accessible
2. It has tons of packages for scientific computing
3. It’s popular



How to use python

- Install the python compiler
- Install an integrated development environment (IDE)
- ALTERNATIVELY: Run python on Google Colab

Resources

Python https://www.python.org/

- The python compiler. Multiple versions exist.

VS Code https://code.visualstudio.com/

- Great IDE maintained by Microsoft.

Anaconda https://www.anaconda.com/

- Environment manager and other tools for scientific computing

Scikit-Image https://scikit-image.org/

- Suite of tools for image processing

Thresholding nuclei tutorial:

https://colab.research.google.com/drive/1xdhnkPbvoA8htTSb3wuEbAsKA5qxnvdB?usp=sharing