



Bernard Suen
Center for Entrepreneurship
Chinese University of Hong Kong

Why Python ?

- **Simple syntax** designed as a teaching language for learning Computer Science.
- Extensive support of **programming libraries**, especially for doing AI and data science related works.
- Commercial adoptions have increased rapidly, providing plenty of **job opportunities**.
- Used by YouTube, Dropbox, Facebook, Netflix, Google, Instagram, Spotify, Reddit, Yahoo Maps, Pinterest, Washington Post, NASA, etc.
- Like PHP, Ruby, Node.JS, Java and C#, Python is a very powerful **back-end language** for **web programming**.

Topics for Today

Python Topics

- 1. Development Environment**
- 2. Data Types**
- 3. Variables & Operations**
- 5. Conditions & Control Flow**
- 6. Functions**
- 7. Lists & Dictionaries**
- 8. Lists and Loops**

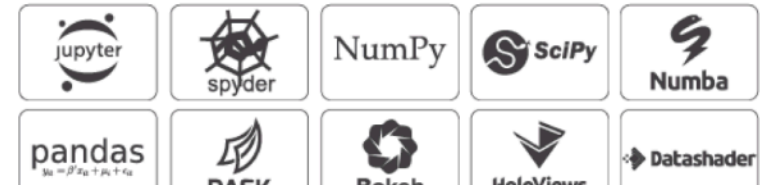
Python Development Tool

Anaconda Distribution

The World's Most Popular Python/R Data Science Platform

[Download](#)

The open-source [Anaconda Distribution](#) is the easiest way to perform Python/R data science and machine learning on Linux, Windows, and Mac OS X. With over 15 million users worldwide, it is the industry standard for developing, testing, and training on a single machine, enabling *individual data scientists* to:



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Python Development with **Anaconda**

- Most of the popular **Python libraries** such as BeautifulSoup, NumPy, Pandas, Mathplotlib are **preinstalled**
- Other additional software tools such as R Studio, JupyterLab, **Jupyter Notebook** are also preinstalled
- **Cross-platform** support on Mac, Windows, and Linux
- Jupyter Notebook is a great tool for **learning Python**
- Jupyter Notebook supports **HTML/CSS markup**
- **Github support** for Jupyter notebook document

Continue with Jupyter Notebook