Python Programming

What is Python

- Python is
 - a powerful high level programming language
 - object-oriented: encapsulate code in object
 - a suitable language for beginners
 - few keywords, simple structure, clear syntax
 - interpreted: processed at run-time
 - interactive: use Python prompt

Installation

- Anaconda distribution
 - Easiest way to perform Python/R data science and machine learning on Linux, Windows, and Mac OS X
 - Access to Python/R data science packages (numpy)
 - Manage libraries, dependencies, and environments with Conda
 - Develop machine learning and deep learning models (scikit-learn, Tensorflow)
 - Dowload Python 3.7 version (https://www.anaconda.com/distribution)

Resources

- Jupyter notebook
 - https://www.dataquest.io/blog/jupyter-notebook-tutorial/
- Python
 - http://cs231n.github.io/python-numpy-tutorial/
 - https://www.guru99.com/python-tutorials.html (Python basics, data structure, fundamentals)
 - https://www.w3schools.com/python/

See you at the workshop