

Python - Session 1

Python Introduction

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Introduction

Python

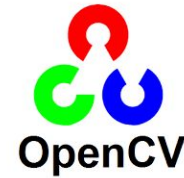
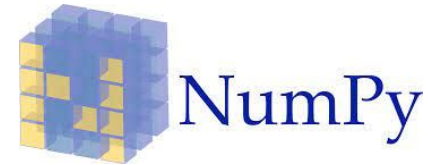
- High-Level
- Interpreted Language
- Dynamically typed
- Multiparadigm



Introduction

Python for Data Science

- Scientific Computing
- Text Manipulation
- Image Processing
- Visualization
- Web Applications



Introduction

Python for Artificial Intelligence

- AI and ML frameworks



- Open source implementation



Introduction

Getting Started with Python Environments

- Local:

Anaconda (Spyder IDE)

PyCharm

Visual Studio

Jupyter Notebook/Lab

Python console (CLI)

- Remote Notebooks:

Google Colab

Kaggle

Azure Notebooks

Hands - On

- Data Types
- Collections
- Conditional Statements
- Functions and Classes