

Welcome to **INTERNSHIP STUDIO**

Module 04 | Lesson 01

Introduction to Python for Data Analytics

How to Configure Python in Your System

1. Choose a Python Distribution that suits your needs and operating system, such as Anaconda or Python.org.
2. Download and Install Python by following the instructions on the official website of your chosen distribution.
3. Set up Environment Variables so you can access Python from any directory in the terminal or command prompt.
4. Install a Package Manager like pip, which is essential for installing Python packages and libraries.
5. Test Your Python Installation to ensure everything is working correctly by typing 'python --version' on the terminal or command prompt.

Jupyter Notebook Setup

1. Jupyter notebook- web app for creating and sharing docs with live code, equations, visuals, and text.
2. You can either install Jupyter Notebook separately or install Anaconda, which includes Jupyter Notebook. After installation, you can launch Jupyter Notebook by typing "jupyter notebook" in the command line.
3. To install important functions such as NumPy, Pandas, Seaborn, etc., that we will require later, use the `pip` command.

Downloading and reading your first dataset

1. Datasets are crucial for data analytics as they comprise structured or unstructured data that enable insights, model building, informed decision-making, and ensure reliable and accurate results.
2. You can download your first dataset from any online public repository, such as Kaggle, UCI Machine Learning Repository, or other sources.
3. Read a dataset into your Jupyter notebook using the ``read_csv`` function and load it as a dataframe.

SUMMARY

You got this

- ✓ 1 How to configure Python in your system
- ✓ 2 Installing Jupyter notebook and other important packages
- ✓ 3 Downloading your first dataset and reading it on your notebook.

Next session

Data Types, Variables, and Operators in Python