



Python Programming Refresher

Presenters : Bishnu Sarker, Sayane Shome
Date: 17-18 July, 2023



Popular data science packages in Python



Keras

NumPy



PyTorch

SciPy



pandas

matplotlib



Learning Objectives of the session

Getting acquainted with different python packages used for data reading, parsing, manipulation, analysis, visualisation and then performing machine learning operations.

Session Overview

- Introduction to handling software packages such as Pandas, Numpy, Scipy, Matplotlib for data file reading etc.
- Conducting biological sequence analysis and manipulation using BioPython.
- Introduction to Machine learning packages including running a basic machine learning model using Pytorch.

Hands on Tutorial

Google colab notebook

Link : [Python Refresher](#)



Break !

We will reconvene in 15 mins. Meanwhile, we are available for Q/As

Next in line : **Introduction to biological sequence analysis using Deep Learning in Python**

