Numpy-Course-For-Passionate-By-M-H-BUTT

Course Outline:

The NumPy ndarray: A Multidimensional Array Object

Creating ndarrays

Data Types for ndarrays

Operations between Arrays and Scalars

Basic Indexing and Slicing

Indexing with slices

Boolean Indexing

Fancy Indexing

Transposing Arrays and Swapping Axes

Universal Functions:Fast Element-wise Array Functions

Data Processing Using Arrays

Expressing Conditional Logic as Array Operations

Mathematical and Statistical Methods

Methods for Boolean Arrays

Sorting

Unique and Other Set Logic

File Input and Output with Arrays

Storing Arrays on Disk in Binary Format

Saving and Loading Text Files

Linear Algebra

Random Number Generation

Advance

Stacking

Spliting

Concatenation

and more added with the passage of time

Regards: M-H-Butt