

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
Splitting
Concatenation
and more added with the passage of time

Regards: M-H-Butt