Python NumPy

What is NumPy?

What is NumPy?

- A package in python which stands for 'Number Python'

- It is used for mathematical and scientific computations, which contains multi-dimensional arrays and matrices

- NumPy also provides a module called 'linalg' which contains various functions (such as det, eig, norm) to apply linear algebra on NumPy array

- NumPy array is a central structure of the NumPy library. It is an n-dimensional array object containing rows and columns

Installation

Open terminal program (for Mac user) or command line (for Windows) and install it using following command:

```
conda install numpy
```

Or

```
pip install numpy
```

Installation

- Alternatively, you can install numpy in a jupyter notebook using below code:

```
!pip install numpy
```

- To import use the command:

```
Import numpy as np
```