

# *Introduction to NumPy*



# *NumPy*

*Numpy banner*

*Numpy stands for NUMerical PYthon which is a mathematical and data structure library for python. As we already know that python itself is a little slower language compared to other languages, it is NumPy that has given python a rapid speed just like a lower-level language like C++. This is a very important tool for proceeding further with the course and I suggest you to strongly practice NumPy before moving further with the course. If you are looking for resources for learning and understanding Numpy here is a free book to help you: [Numpy Guide](#)*

*The links to the notebook I have created in this tutorial are:*

1. [Introduction to Numpy](#)
2. [Data types in Numpy](#)
3. [Numpy array basics](#)
4. [Numpy universal function](#)
5. [Broadcasting in Numpy](#)

