NumPy Tutorial

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NumPy is a Python library.

NumPy is used for working with arrays.

NumPy is short for "Numerical Python".

Learning by Reading

We have created 43 tutorial pages for you to learn more about NumPy.

Starting with a basic introduction and ends up with creating and plotting random data sets, and working with NumPy functions:

Basic

Introduction

Getting Started

Creating Arrays

Array Indexing

Array Slicing

Data Types

Copy vs View

Array Shape

Array Reshape

Array Iterating

Array Join

Array Split

Array Search

Array Sort

Array Filter

Random

Random Intro

Data Distribution

Random Permutation

Seaborn Module

Normal Dist.

Binomial Dist.

Poisson Dist.

Uniform Dist.

Logistic Dist.

Multinomial Dist.

Exponential Dis.

Chi Square Dist.

Rayleigh Dist.

Pareto Dist.

Zipf Dist.

ufunc

ufunc Intro

Create Function

Simple Arithmetic

Rounding Decimals

Logs

Summations

Products

Differences

Finding LCM

Finding GCD

Trigonometric

Learning by Quiz Test

Test your NumPy skills with a quiz test.

Start NumPy Quiz

Learning by Exercises

NumPy Exercises

Exercise:

Insert the correct method for creating a NumPy array.

```
arr = np.      ([1, 2, 3, 4, 5])
```

Submit Answer »

Start the Exercise

Learning by Examples

In our "Try it Yourself" editor, you can use the NumPy module, and modify the code to see the result.

Example

Create a NumPy array:

```
import numpy as np

arr = np.array([1, 2, 3, 4, 5])

print(arr)

print(type(arr))
```

Try it Yourself »

Click on the "Try it Yourself" button to see how it works.

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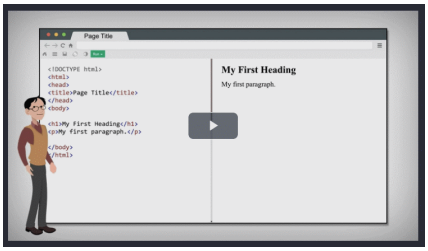

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