Most Common NumPy Functions for Beginners

array()

Creates a NumPy array from a list or tuple.

arange()

Creates arrays with regularly incrementing values.

linspace()

Generates linearly spaced values between two numbers.

reshape()

Gives a new shape to an array without changing its data.

dtype

Returns the data type of the array elements.

astype()

Casts an array to a different type.

shape

Returns the dimensions of the array.

ndim

Returns the number of dimensions.

size

Returns the number of elements in the array.

itemsize

Returns the size in bytes of each element.

zeros()

Creates an array filled with zeros.

ones()

Creates an array filled with ones.

eye()

Creates an identity matrix.

random.rand()

Generates random values in a given shape.

sum()

Most Common NumPy Functions for Beginners

Computes the sum of array elements.

mean()

Computes the arithmetic mean.

std()

Computes the standard deviation.

min()

Returns the minimum value in an array.

max()

Returns the maximum value in an array.

argmin()

Returns the index of the minimum value.

argmax()

Returns the index of the maximum value.

concatenate()

Joins two or more arrays.

hstack()

Stacks arrays in sequence horizontally (column-wise).

vstack()

Stacks arrays in sequence vertically (row-wise).

split()

Splits an array into multiple sub-arrays.