How can you convert a Pandas Series to a NumPy array?

Authored by

stats writer

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Converting a Pandas Series to a NumPy array is a simple and efficient way to manipulate and analyze data in Python. To convert a Series to an array, one can use the ".values" attribute, which returns the values of the Series as a NumPy array. For example:

```
Series = pd.Series()
Series.values
# Output: array()
```

This method can also be used to convert a Series of strings to an array of strings:

```
Series = pd.Series()
Series.values
# Output: array(, dtype=object)
```

The resulting NumPy array can then be further manipulated and analyzed using various NumPy functions and methods. Overall, converting a Pandas Series to a NumPy array provides a seamless integration between the two libraries, allowing for efficient data analysis and manipulation.

Convert Pandas Series to NumPy Array (With Examples)

You can use the following syntax to convert a pandas Series to a NumPy array:

seriesName.to_numpy()

The following examples show how to use this syntax in practice.

Example 1: Convert Series to NumPy Array

The following code shows how to convert a pandas Series to a NumPy array:

```
import pandas as pd
import numpy as np

#define series
x = pd.Series()

#convert series to NumPy array
new_array = x.to_numpy()

#view NumPy array
new_array

array()

#confirm data type
type(new_array)

numpy.ndarray
```

Using the type() function, we confirm that the pandas Series has indeed been converted to a NumPy array.

Example 2: Convert DataFrame Column to NumPy Array

The following code shows how to convert a column in a pandas DataFrame to a NumPy array:

```
import pandas as pd
import numpy as np

#define DataFrame
df = pd.DataFrame({'points': ,
'assists': ,
'rebounds': })

#convert 'points' column to NumPy array
new_array = df.to_numpy()

#view NumPy array
new_array

array()

#confirm data type
type(new_array)

numpy.ndarray
```

We can use dtype() to check the data type of the new NumPy array as well:

```
#check data type
new_array.dtype
```

dtype('int64')

We can see that the new NumPy array is an integer.