

How can I get a value from a Pandas Series in Python?

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To retrieve a specific value from a Pandas Series in Python, you can use the indexing method by specifying the index or label of the desired element. Alternatively, you can use the `.iloc` or `.loc` methods to access values by their numerical or label-based positions. Additionally, you can use conditional indexing to retrieve values that meet certain criteria. These methods allow for easy and efficient retrieval of values from a Pandas Series in Python.

Pandas: Get Value from Series (3 Examples)

The following examples show how to get a value from a pandas Series in three different scenarios.

Method 1: Get Value from Pandas Series Using Index

The following code shows how to get the value in the third position of a pandas Series using the index value:

```
import pandas as pd

#define Series
my_series = pd.Series()

#get third value in Series
print(my_series)
```

C

By specifying the index value 2, we're able to extract the value in the third position of the pandas Series.

Method 2: Get Value from Pandas Series Using String

The following code shows how to get the value that corresponds to a specific string in a pandas Series:

```
import pandas as pd

#define Series
my_series = pd.Series({'First':'A', 'Second':'B',
'Third':'C'})

#get value that corresponds to 'Second'
print(my_series)
```

B

Using this syntax, we're able to get the value that corresponds to 'Second' in the pandas Series.

Method 3: Get Value from Pandas Series in DataFrame

The following code shows how to get the value in a pandas Series that is a column in a pandas DataFrame

```
import pandas as pd

#create DataFrame
```

```
df = pd.DataFrame({'team': ,  
'points': })
```

```
#view DataFrameprint(df)
```

```
team points
```

```
0 Mavs 100
```

```
1 Spurs 114
```

```
2 Rockets 121
```

```
3 Heat 108
```

```
4 Nets 101
```

```
#get 'Spurs' value from team column
```

```
df.loc.values
```

```
'Spurs'
```

By using the `loc` and `values` functions, we're able to get the value 'Spurs' from the DataFrame.

Related:

Additional Resources

The following tutorials explain how to perform other common operations in pandas: