

How can I quickly convert a column in Pandas to a list?

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One efficient way to convert a column in Pandas to a list is by using the ".tolist()" method. This method converts the values in the specified column into a list format, allowing for easier manipulation and analysis. It is a quick and straightforward approach for converting columns to lists in Pandas.

Pandas: Quickly Convert Column to List

You can use one of the following methods to convert a column in a pandas DataFrame to a list:

Method 1: Use tolist()

```
df.tolist()
```

Method 2: Use list()

```
list(df)
```

Both methods will return the exact same result.

The following examples show how to use each of these methods with the following pandas DataFrame:

```
import pandas as pd
#create DataFrame
df = pd.DataFrame({'team': ,
'points': ,
```

```
'assists': })
```

```
#view DataFrame
```

```
print(df)
```

```
team points assists
```

```
0 A 99 33
```

```
1 A 90 28
```

```
2 A 93 31
```

```
3 B 86 39
```

```
4 B 88 34
```

```
5 B 82 30
```

Method 1: Convert Column to List Using tolist()

The following code shows how to use the tolist() function to convert the 'points' column in the DataFrame to a list:

```
#convert column to list
```

```
my_list = df.tolist()
```

```
#view list
```

```
print(my_list)
```

We can confirm that the result is a list by using the `type()` function:

```
#check data type  
type(my_list)
```

list

Method 2: Convert Column to List Using `list()`

The following code shows how to use the `list()` function to convert the 'points' column in the DataFrame to a list:

```
#convert column to list  
my_list = list(df)  
#view list  
print(my_list)
```

We can confirm that the result is a list by using the `type()` function:

```
#check data type  
type(my_list)
```

list

Notice that both methods return the exact same results.

Note that for extremely large DataFrames, the `tolist()` method tends to perform the fastest.

Additional Resources

The following tutorials explain how to perform other common functions with columns of a pandas DataFrame:

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