

How can I get the column index from a specific column name using Pandas?

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Pandas is a popular Python library used for data analysis and manipulation. It provides various methods for accessing and manipulating data within a DataFrame, including the ability to retrieve the index of a specific column using its name. This can be achieved by using the "get_loc" method, which takes the column name as input and returns its corresponding index. This functionality is useful for identifying and selecting specific columns within a DataFrame for further analysis or manipulation. Overall, Pandas provides a convenient and efficient way to retrieve column indices, making it a valuable tool for data analysis tasks.

Pandas: Get Column Index from Column Name

You can use the following methods to get the column index value from a column name in pandas:

Method 1: Get Column Index for One Column Name

```
df.columns.get_loc('this_column')
```

Method 2: Get Column Index for Multiple Column Names

```
cols =
```

The following examples show how to use each method in practice with the following pandas DataFrame:

```
import pandas as pd
```

#create DataFrame

```
df = pd.DataFrame({'store': ,  
'sales': ,  
'returns': ,  
'recalls': })
```

#view DataFrame

```
print(df)
```

```
store sales returns recalls
```

```
0 A 18 1 0
```

```
1 A 10 2 0
```

```
2 A 14 2 2
```

```
3 A 13 3 1
```

```
4 B 19 2 1
```

```
5 B 24 3 2
```

```
6 B 25 5 0
```

```
7 B 29 4 1
```

Example 1: Get Column Index for One Column Name

The following code shows how to get the column index value for the column with the name 'returns':

```
#get column index for column with the name 'returns'  
df.columns.get_loc('returns')
```

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The column with the name 'returns' has a column index value of 2.

Note: Column index values start at 0 in Python. Thus, since 'returns' is the third column in the DataFrame, it has an index value of 2.

Example 2: Get Column Index for Multiple Column Names

The following code shows how to get the column index value for several columns in the DataFrame:

```
#define list of columns to get index for  
cols =  
  
#get column index for each column in list
```

From the output we can see:

The column with the name 'store' has a column index value of 0. The column with the name 'returns' has a column index value of 2. The column with the name 'recalls' has a column index value of 3.

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

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