

How can I rename an index in a Pandas DataFrame?

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To rename an index in a Pandas DataFrame, use the "rename" method and specify the "index" parameter with the desired new name. This will change the name of the index without altering any data in the DataFrame. It is a useful function for organizing and labeling data in a more meaningful way.

Rename Index in Pandas DataFrame

You can use the following syntax to rename the index column of a pandas DataFrame:

```
df.index.rename('new_index_name', inplace=True)
```

The following example shows how to use this syntax in practice.

Example: Rename Index in Pandas DataFrame

Suppose we have the following pandas DataFrame:

```
import pandas as pd

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

#view DataFrame
df
```

points assists rebounds

0 25 5 11

1 12 7 8

2 15 7 10

3 14 9 6

4 19 12 6

5 23 9 5

6 25 9 9

7 29 4 12

Currently the DataFrame has no index name:

```
#display index name  
print(df.index.name)
```

None

We can use df.index.rename() to rename the index:

```
#rename index  
df.index.rename('new_index', inplace=True)
```

```
#view updated DataFrame  
df
```

points assists rebounds

new_index

0 25 5 11

1 12 7 8

2 15 7 10

3 14 9 6

4 19 12 6

5 23 9 5

6 25 9 9

7 29 4 12

Note that inplace=True tells pandas to retain all of the original DataFrame properties.

We can verify that the DataFrame now has an index name:

#display index name

print(df.index.name)

new_index

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