How can I reverse the order of rows in a Pandas DataFrame?

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To reverse the order of rows in a Pandas DataFrame, you can use the "iloc" function to select the rows in reverse order and assign them to a new variable. This will create a new DataFrame with the rows in reverse order, while leaving the original DataFrame unchanged. Alternatively, you can use the "iloc" function to directly reverse the order of rows in the original DataFrame. Both methods utilize the "iloc" function to select and manipulate specific rows in the DataFrame.

Reverse a Pandas DataFrame (With Example)

You can use the following basic syntax to reverse the rows in a pandas DataFrame:

df_reversed = df

If you'd like to reverse the rows in the DataFrame *and* reset the index values, you can use the following syntax:

df_reversed = df.reset_index(drop=True)

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

Example: How to Reverse a Pandas DataFrame

Suppose we have the following pandas DataFrame that contains information about various basketball players:

import pandas as pd

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

#view DataFrame
print(df)

team points assists
0 A 18 5
1 B 22 7
2 C 19 7
3 D 14 9
4 E 14 12
5 F 11 9
6 G 20 9
7 H 28 4
```

We can use the following syntax to reverse the rows in the DataFrame:

```
#create new DataFrame with rows reversed
df_reversed = df

#view new DataFrame
```

```
print(df_reversed)

  team  points  assists
7    H      28        4
6    G      20        9
5    F      11        9
4    E      14       12
3    D      14        9
2    C      19        7
1    B      22        7
0    A      18        5
```

Notice that the order of the rows in the DataFrame have been reversed.

However, each row still contains its original index value.

If you'd like to reverse the rows of the DataFrame *and* reset the index values, you can use the following syntax:

```
#create reversed DataFrame and reset index values
df_reversed = df.reset_index(drop=True)
```

#view new DataFrame
print(df_reversed)

team points assists
0 H 28 4
1 G 20 9
2 F 11 9
3 E 14 12
4 D 14 9
5 C 19 7
6 B 22 7
7 A 18 5

Notice that the order of rows has been reversed and the index values have been reset.

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