

How can I swap two columns in a Pandas dataframe?

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June 29, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I swap two columns in a Pandas dataframe?*.

PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=158403>

Swapping two columns in a Pandas dataframe refers to the action of rearranging the order of two columns within the dataframe. This can be done by using the "iloc" function and specifying the columns to be swapped. It is a useful tool for reorganizing data and can be achieved by following a few simple steps. First, identify the names or indices of the columns to be swapped. Then, use the "iloc" function to select the columns and assign them to temporary variables. Finally, use the "iloc" function again to reassign the columns in the desired order. This process allows for the efficient and effective manipulation of data within a Pandas dataframe.

Swap Two Columns in Pandas (With Example)

You can use the following custom function to swap the position of two columns in a pandas DataFrame:

```
defswap_columns(df, col1, col2):  
    col_list = list(df.columns)  
    x, y = col_list.index(col1), col_list.index(col2)  
    col_list, col_list = col_list, col_list  
    df = df  
    return df
```

This function will swap the positions of columns col1 and col2 in the DataFrame.

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

Example: Swap Two Columns in Pandas

Suppose we have the following pandas DataFrame:

```
import pandas as pd
```

```
#create DataFrame
```

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

```
#view DataFrame
```

```
print(df)
```

```
team points assists rebounds
```

```
0 A 18 5 11
```

```
1 B 22 7 8
```

```
2 C 19 7 10
```

```
3 D 14 9 6
```

```
4 E 14 12 6
```

```
5 F 11 9 5
```

```
6 G 20 9 9
```

```
7 H 28 4 12
```

We can define a `swap_columns()` function to swap the positions of the "points" and "rebounds" columns:

#define function to swap columns

def swap_columns(df, col1, col2):

col_list = list(df.columns)

x, y = col_list.index(col1), col_list.index(col2)

col_list, col_list = col_list, col_list

df = df

return df

#swap points and rebounds columns

df = swap_columns(df, 'points', 'rebounds'):

#view updated DataFrame

print(df)

team rebounds assists points

0 A 11 5 18

1 B 8 7 22

2 C 10 7 19

3 D 6 9 14

4 E 6 12 14

5 F 5 9 11

6 G 9 9 20

7 H 12 4 28

Notice that the "points" and "rebounds" columns have

been swapped while every other column has remained in the same position.

Additional Resources

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

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