

How do I drop columns in pandas?

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Pandas is a popular library in Python used for data manipulation and analysis. To drop columns in pandas, one can use the "drop" function, which takes in the column name or index as a parameter. This function can be applied to a single column or multiple columns at once. Additionally, the "drop" function also allows for specifying the axis along which the columns should be dropped, making it a versatile and efficient method for dropping columns in pandas.

Drop Columns in Pandas (4 Examples)

You can use the function to drop one or more columns from a pandas DataFrame:

#drop one column by name

```
df.drop('column_name', axis=1, inplace=True)
```

#drop multiple columns by name

```
df.drop([, axis=1, inplace=True)
```

#drop one column by index

```
df.drop(df.columns, axis=1, inplace=True)
```

#drop multiple columns by index

```
df.drop(df.columns, axis=1, inplace=True)
```

Note the following:

The axis argument specifies whether to drop rows (0) or columns (1). The inplace argument specifies to drop the columns in place without reassigning the DataFrame.

The following examples show how to use this function in practice with the following pandas DataFrame:

```
import pandas as pd
```

```
#create DataFrame
```

```
df = pd.DataFrame({'A': ,  
'B': ,  
'C': })
```

```
#view DataFrame
```

```
df
```

```
A B C  
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
```

Example 1: Drop One Column by Name

The following code shows how to drop one column

from the DataFrame by name:

```
#drop column named 'B' from DataFrame
```

```
df.drop('B', axis=1, inplace=True)
```

```
#view DataFrame
```

```
df
```

```
A C
```

```
0 25 11
```

```
1 12 8
```

```
2 15 10
```

```
3 14 6
```

```
4 19 6
```

```
5 23 5
```

```
6 25 9
```

```
7 29 12
```

Example 2: Drop Multiple Columns by Name

The following code shows how to drop multiple columns by name:

```
#drop columns 'A' and 'C' from DataFrame
```

```
df.drop(, axis=1, inplace=True)
```

```
#view DataFrame
```

```
df
```

```
B
```

```
0 5
```

```
1 7
```

```
2 7
```

```
3 9
```

```
4 12
```

```
5 9
```

```
6 9
```

```
7 4
```

Example 3: Drop One Column by Index

The following code shows how to drop one column by index:

```
#drop first column from DataFrame
```

```
df.drop(df.columns, axis=1, inplace=True)
```

```
#view DataFrame
```

```
df
```

```
B C
```

```
0 5 11
```

```
1 7 8
2 7 10
3 9 6
4 12 6
5 9 5
6 9 9
7 4 12
```

Example 4: Drop Multiple Columns by Index

The following code shows how to drop multiple columns by index:

```
#drop multiple columns from DataFrame
df.drop(df.columns[1, 2], inplace=True)
```

```
#view DataFrame
```

```
df
```

```
C
0 11
1 8
2 10
3 6
4 6
```

5 5

6 9

7 12

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