

How can I drop the first column in a Pandas DataFrame using three different methods?

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There are three different methods that can be used to drop the first column in a Pandas DataFrame. The first method is to use the "drop" function, which allows for specific columns to be dropped by specifying the column name and axis to drop along. The second method is to use the "iloc" function, which allows for the selection of specific columns by index location. The third method is to use the "pop" function, which removes a specific column and returns it as a series. Each of these methods offers a different approach to removing the first column in a Pandas DataFrame, providing flexibility for the user.

Drop First Column in Pandas DataFrame (3 Methods)

You can use one of the following three methods to drop the first column in a pandas DataFrame:

Method 1: Use drop

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

Method 2: Use iloc

```
df = df.iloc
```

Method 3: Use del

```
del df]
```

Each method produces the same result.

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({'team': ,  
'position': ,  
'assists': ,  
'rebounds': })
```

```
#view DataFrame
```

```
df
```

```
team position assists rebounds
```

```
0 A G 5 11
```

```
1 A G 7 8
```

```
2 A F 7 10
```

```
3 A F 9 6
```

```
4 B G 12 6
```

```
5 B G 9 5
```

```
6 B F 9 9
```

```
7 B F 4 12
```

Method 1: Use drop

The following code shows how to use the drop()

function to drop the first column of the pandas DataFrame:

```
#drop first column of DataFrame
```

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

```
#view updated DataFrame
```

```
df
```

```
position assists rebounds
```

```
0 G 5 11
```

```
1 G 7 8
```

```
2 F 7 10
```

```
3 F 9 6
```

```
4 G 12 6
```

```
5 G 9 5
```

```
6 F 9 9
```

```
7 F 4 12
```

Notice that the first column called 'team' has been removed from the DataFrame.

Also note that we must use `inplace=True` for the column to be removed in the original DataFrame.

Method 2: Use iloc

The following code shows how to use the iloc function to drop the first column of the pandas DataFrame:

```
#drop first column of DataFrame
```

```
df = df.iloc
```

```
#view updated DataFrame
```

```
df
```

```
position assists rebounds
```

```
0 G 5 11
```

```
1 G 7 8
```

```
2 F 7 10
```

```
3 F 9 6
```

```
4 G 12 6
```

```
5 G 9 5
```

```
6 F 9 9
```

```
7 F 4 12
```

Notice that the first column called 'team' has been removed from the DataFrame.

Method 3: Use del

The following code shows how to use the `del` function to drop the first column of the pandas DataFrame:

```
#drop first column of DataFrame
```

```
del df]
```

```
#view updated DataFrame
```

```
df
```

```
position assists rebounds
```

```
0 G 5 11
```

```
1 G 7 8
```

```
2 F 7 10
```

```
3 F 9 6
```

```
4 G 12 6
```

```
5 G 9 5
```

```
6 F 9 9
```

```
7 F 4 12
```

Notice that the first column called 'team' has been removed from the DataFrame.

Additional Resources

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