

How can I drop rows by index in Pandas?

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Pandas is a popular library in Python used for data analysis and manipulation. One of its key functionalities is the ability to drop rows from a dataset based on their index. This can be achieved by using the "drop" function in Pandas, which takes in a list of index values as input and removes those rows from the dataset. This process is useful for removing unwanted or irrelevant data from a dataset, allowing for a more streamlined and accurate analysis. By utilizing the "drop" function in Pandas, users can easily drop rows by index and customize their dataset according to their specific needs.

Drop Rows by Index in Pandas (With Examples)

You can use the following syntax to drop one row from a pandas DataFrame by index number:

```
#drop first row from DataFrame  
df = df.drop(index=0)
```

And you can use the following syntax to drop multiple rows from a pandas DataFrame by index numbers:

```
#drop first, second, and fourth row from DataFrame  
df = df.drop(index=)
```

If your DataFrame has strings as index values, you can simply pass the names as strings to drop:

```
df = df.drop(index=)
```

The following examples show how to drop rows by

index in practice.

Example 1: Drop One Row by Index

The following code shows how to drop the second row in a pandas DataFrame:

```
import pandas as pd
```

```
#create DataFrame
```

```
df = pd.DataFrame({'team': ,  
'first': ,  
'last': ,  
'points': })
```

```
#view DataFrame
```

```
df
```

```
team first last points
```

```
0 Mavs Dirk Nowitzki26
```

```
1 Lakers Kobe Bryant 31
```

```
2 Spurs Tim Duncan 22
```

```
3 Cavs LeBron James 29
```

```
#drop second row from DataFrame
```

```
df = df.drop(index=1)
```

```
#view resulting dataframe  
df
```

```
team first last points  
0 Mavs Dirk Nowitzki 26  
2 Spurs Tim Duncan 22  
3 Cavs LeBron James 29
```

Example 2: Drop Multiple Rows by Index

The following code shows how to drop multiple rows in a pandas DataFrame by index:

```
import pandas as pd  
  
#create DataFrame  
df = pd.DataFrame({'team': ,  
 'first': ,  
 'last': ,  
 'points': })
```

```
#view DataFrame  
df
```

```
team first last points  
0 Mavs Dirk Nowitzki 26
```

1 Lakers Kobe Bryant 31

2 Spurs Tim Duncan 22

3 Cavs LeBron James 29

#drop first, second, and fourth row from DataFrame

df = df.drop(index=)

#view resulting dataframe

df

team first last points

2 Spurs Tim Duncan 22

Example 3: Drop Rows When Index is a String

The following code shows how to drop rows from a pandas DataFrame by index when the index is a string instead of a number:

import pandas as pd

#create DataFrame

df = pd.DataFrame({'team': ,

'last': ,

'last': ,

'points': },

index=)

#view DataFrame

df

team first last points

A Mavs Dirk Nowitzki26

B Lakers Kobe Bryant 31

C Spurs Tim Duncan 22

D Cavs LeBron James 29

#remove rows with index values 'A' and 'C'

df = df.drop(index=)

#view resulting DataFrame

df

team first last points

B Lakers Kobe Bryant 31

D Cavs LeBron James 29