

How can I retrieve the row numbers in a Pandas DataFrame?

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The process of retrieving the row numbers in a Pandas DataFrame involves using the built-in functions and methods provided by the Pandas library. These functions enable the user to access and manipulate the data in the DataFrame, including the row numbers. By utilizing these functions, the user can retrieve the row numbers in the DataFrame and use them for further analysis or data manipulation. This feature is particularly useful in organizing and referencing data in a DataFrame, making it an essential tool for data analysis and management.

Get Row Numbers in a Pandas DataFrame

Often you may want to get the row numbers in a pandas DataFrame that contain a certain value.

Fortunately this is easy to do using the `.index` function.

This tutorial shows several examples of how to use this function in practice.

Example 1: Get Row Numbers that Match a Certain Value

Suppose we have the following pandas DataFrame:

```
import pandas as pd

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

#view DataFrameprint(df)
```

points assists team

0 25 5 Mavs

1 12 7 Mavs

2 15 7 Spurs

3 14 9 Celtics

4 19 12 Warriors

We can use the following syntax to get the row numbers where 'team' is equal to Mavs:

```
#get row numbers where 'team' is equal to Mavs  
df == 'Mavs'].index
```

```
Int64Index(, dtype='int64')
```

We can see that the team name is equal to 'Mavs' at rows indices 0 and 1.

We can also get the row numbers where the team name is in a certain list of team names:

```
#get row numbers where 'team' is equal to Mavs or  
Spursfilter_list =
```

```
#return only rows where team is in the list of team
```

names

df.index

Int64Index(, dtype='int64')

We can see that the team name is equal to 'Mavs' or 'Spurs' at rows indices 0, 1, and 2.

Example 2: Get a Single Row Number

Suppose we have the following pandas DataFrame:

```
import pandas as pd
```

```
#create DataFrame
```

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

If you know that only one row matches a certain value, you can retrieve that single row number using the following syntax:

```
#get the row number where team is equal to Celtics  
df == 'Celtics'].index
```

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Example 3: Get Sum of Row Numbers

Suppose we have the following pandas DataFrame:

```
import pandas as pd
```

```
#create DataFrame
```

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

If you want to know the total number of rows where a column is equal to a certain value, you can use the following syntax:

```
#find total number of rows where team is equal to  
Mavslen(df == 'Celtics'].index)
```

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We can see that team is equal to 'Mavs' in a total of 2 rows.

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

[How to Find Unique Values in Multiple Columns in Pandas](#)

[How to Filter a Pandas DataFrame on Multiple Conditions](#)

[How to Count Missing Values in a Pandas DataFrame](#)

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