

How can I find the first row in a Pandas DataFrame that meets a specific criteria?

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To find the first row in a Pandas DataFrame that meets a specific criteria, you can use the `.loc` method along with a conditional statement to filter the DataFrame. This will return the first row that satisfies the given condition. Alternatively, you can also use the `.iloc` method to retrieve the first row based on its index. Both of these methods allow for efficient and accurate searching within a DataFrame.

Pandas: Find First Row that Meets Criteria

You can use the following syntax to find the first row in a pandas DataFrame that meets specific criteria:

```
#get first row where value in 'team' column is equal to 'B'
```

```
df.iloc
```

```
#get index of first row where value in 'team' column is equal to 'B'
```

```
df.index
```

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

```
import pandas as pd
```

```
#create DataFrame
```

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

```
'assists': })
```

```
#view DataFrame
```

```
print(df)
```

```
team points assists
```

```
0 A 18 5
```

```
1 A 13 7
```

```
2 A 19 17
```

```
3 B 14 9
```

```
4 B 24 12
```

```
5 C 21 9
```

```
6 C 20 5
```

```
7 C 28 12
```

Example 1: Find First Row that Meets One Criteria

We can use the following syntax to find the first row where the value in the team column is equal to 'B':

```
#find first row where team is equal to 'B'
```

```
df.iloc
```

```
team B
```

```
points 14
```

```
assists 9
```

Name: 3, dtype: object

#find index of first row where team is equal to 'B'
df.index

3

We can see that the first row where the value in the team column is equal to 'B' is in index position 3.

Example 2: Find First Row that Meets Multiple Criteria

We can use the following syntax to find the first row where the value in the points column is greater than 15 and the value in the assists column is greater than 10:

#find first row where points > 15 and assists > 10
df.iloc

team A
points 19
assists 17

Name: 2, dtype: object

#find index of first row where points > 15 and assists > 10
10

df.index

2

We can see that the first row where the value in the points column is greater than 15 and the value in the assists column is greater than 10 is in index position 2.

Example 3: Find First Row that Meets One of Several Criteria

We can use the following syntax to find the first row where the value in the points column is greater than 15 or the value in the assists column is greater than 10:

```
#find first row where points > 15 or assists > 10
```

```
df.iloc
```

```
team A
```

```
points 18
```

```
assists 5
```

```
Name: 0, dtype: object
```

```
#find index of first row where points > 15 or assists > 10
```

```
df.index
```

0

We can see that the first row where the value in the points column is greater than 15 or the value in the assists column is greater than 10 is in index position 0.

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