

How to Replace inf with Zero in Pandas?

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In order to replace inf values with zeros in Pandas, one can use the `replace()` method of the `DataFrame` or the `Series` class. We can pass the inf value as an argument to the `to_replace` parameter and set the `value` parameter to 0. This will replace all the inf values with 0s in the dataframe or series. It is important to note that this operation takes place in-place, meaning that the dataframe or series will be modified directly without returning a new object.

You can use the following syntax to replace inf and -inf values with zero in a pandas DataFrame:

```
df.replace(, 0, inplace=True)
```

The following example shows how to use this syntax in practice.

Example: Replace inf with Zero in Pandas

Suppose we have the following pandas DataFrame that contains information about various basketball players:

```
import pandas as pd  
import numpy as np  
  
#create DataFrame  
df = pd.DataFrame({'team': ,  
'points': ,  
'assists': ,  
'rebounds': })  
  
#view DataFrame  
df  
  
team points assists rebounds  
0 A 18.0 5.0 inf  
1 B inf 7.0 8.0  
2 C 19.0 7.0 10.0  
3 D inf 9.0 6.0  
4 E 14.0 12.0 6.0  
5 F 11.0 9.0 -inf  
6 G 20.0 9.0 9.0  
7 H 28.0 inf 12.0
```

Notice that there are several inf and -inf values throughout the DataFrame.

We can use the following syntax to replace these inf and -inf values with zero:

```
#replace inf and -inf with zero
```

```
df.replace(, 0, inplace=True)
```

```
#view updated DataFrame
```

```
df
```

```
team points assists rebounds
```

```
0 A 18.0 5.0 0.0
```

```
1 B 0.0 7.0 8.0
```

```
2 C 19.0 7.0 10.0
```

```
3 D 0.0 9.0 6.0
```

```
4 E 14.0 12.0 6.0
```

```
5 F 11.0 9.0 0.0
```

```
6 G 20.0 9.0 9.0
```

```
7 H 28.0 0.0 12.0
```

Notice that each of the inf and -inf values have been replaced with zero.

Note: You can find the complete documentation for the **replace** function in pandas .