

How can I replace inf values with zero in Pandas?

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To replace inf (infinity) values with zero in Pandas, one can use the "replace" function and specify the value to be replaced as "inf" and the replacement value as 0. This will effectively replace all inf values in the given dataset with zero, allowing for further analysis and manipulation of the data. Additionally, the "fillna" function can also be used with the same parameters to achieve the same result. Both of these methods provide a simple and efficient solution for handling inf values in Pandas.

Pandas: Replace inf with Zero

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 .

Additional Resources

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