

Pandas: How to Fill NaN Values with Values from Another Column?

Authored by
stats writer

November 29, 2025

RECOMMENDED CITATION

stats writer (2025). *Pandas: How to Fill NaN Values with Values from Another Column?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=101296>

You can use the following syntax to replace NaN values in a column of a pandas DataFrame with the values from another column:

```
df = df.fillna(df)
```

This particular syntax will replace any NaN values in **col1** with the corresponding values in **col2**.

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

Example: Replace Missing Values with Another Column

Suppose we have the following pandas DataFrame with some missing values:

```
import numpy as np  
import pandas as pd
```

```
#create DataFrame with some NaN values  
df = pd.DataFrame({'team1': ,  
                  'team2': })
```

```
#view DataFrame  
df
```

```
team1 team2  
0 Mavs Spurs  
1 NaN Lakers  
2 Nets Kings  
3 Hawks Celtics  
4 NaN Heat  
5 Jazz Magic
```

Notice that there are two NaN values in the **team1** column.

We can use the **fillna()** function to fill the NaN values in the **team1** column with the corresponding value in the **team2** column:

```
#fill NaNs in team1 column with corresponding values in team2 column  
df = df.fillna(df)
```

```
#view updated DataFrame  
df
```

team1 team2
0 Mavs Spurs
1 Lakers Lakers
2 Nets Kings
3 Hawks Celtics
4 Heat Heat
5 Jazz Magic

Notice that both of the NaN values in the **team1** column were replaced with the corresponding values in the **team2** column.

Note: You can find the complete online documentation for the **fillna()** function .

ARABPSYCHOLOGY.COM