

How can I convert a datetime to a date in Pandas?

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The process of converting a datetime to a date in Pandas involves using the `.date()` method. This method extracts only the date portion of the datetime object and returns it in a date format. This conversion is useful for performing various operations and analysis on a specific date rather than a specific time. The resulting date object can then be easily manipulated and manipulated using various Pandas methods and functions.

Convert Datetime to Date in Pandas

Often you may want to convert a datetime to a date in pandas. Fortunately this is easy to do using the `.dt.date` function, which takes on the following syntax:

```
df = pd.to_datetime(df).dt.date
```

Example: Datetime to Date in Pandas

For example, suppose we have the following pandas DataFrame:

```
import pandas as pd
```

```
#create pandas DataFrame with two columns
```

```
df = pd.DataFrame({'sales': ,  
'time': })
```

```
#view DataFrame print(df)
```

```
sales time
```

```
0 4 2020-01-15 20:02:58
```

```
1 11 2020-01-18 14:43:24
```

To convert the 'time' column to just a date, we can use the following syntax:

```
#convert datetime column to just date
```

```
df = pd.to_datetime(df).dt.date#view DataFrame
```

```
print(df)
```

```
sales time
```

```
0 4 2020-01-15
```

```
1 11 2020-01-18
```

Now the 'time' column just displays the date without the time.

Using `Normalize()` for `datetime64` Dtypes

You should note that the code above will return an object dtype:

```
#find dtype of each column in DataFrame
```

```
df.dtypes
```

```
sales int64
```

time object

dtype: object

If you instead want `datetime64` then you can `normalize()` the time component, which will keep the dtype as `datetime64` but it will only display the date:

```
#convert datetime column to just date
```

```
df = pd.to_datetime(df).dt.normalize()#view DataFrame  
print(df)
```

sales time

0 4 2020-01-15

1 11 2020-01-18

```
#find dtype of each column in DataFrame
```

```
df.dtypes
```

sales int64

time datetime64

dtype: object

Once again only the date is displayed, but the 'time' column is a `datetime64` dtype.

How to Convert Columns to DateTime in Pandas

How to Convert Strings to Float in Pandas

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