

How can I resolve the “TypeError: no numeric data to plot” issue in Pandas when trying to use the Fix function?

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May 11, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I resolve the “TypeError: no numeric data to plot” issue in Pandas when trying to use the Fix function?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=143674>

The "TypeError: no numeric data to plot" issue in Pandas occurs when attempting to use the Fix function on data that is not in a numeric format. To resolve this issue, the data must first be converted to a numeric format using the appropriate tools, such as the `astype()` function. Once the data is in a numeric format, the Fix function can be applied successfully. This will allow for the data to be plotted and visualized in an accurate manner.

Fix in Pandas: TypeError: no numeric data to plot

One error you may encounter when using pandas is:

TypeError: no numeric data to plot

This error occurs when you attempt to plot values from a pandas DataFrame, but there are no numeric values to plot.

This error typically occurs when you think a certain column in the DataFrame is numeric but it turns out to be a different data type.

The following example shows how to fix this error in practice.

How to Reproduce the Error

Suppose we have the following pandas DataFrame:

```
import pandas as pd
```

#create DataFrame

```
df = pd.DataFrame({'team': ,  
'points': ,  
'rebounds': ,  
'blocks': })
```

#view DataFrame

```
df
```

```
team points rebounds blocks
```

```
0 A 5 11 4
```

```
1 A 7 8 7
```

```
2 B 7 10 7
```

```
3 B 9 6 6
```

```
4 B 12 6 5
```

Now suppose we attempt to create a line plot for the three variables that we believe are numeric: points, rebounds, and blocks:

```
#attempt to create line plot for points, rebounds, and  
blocks  
df].plot()
```

ValueError: no numeric data to plot

We receive an error because none of these columns are actually numeric.

How to Fix the Error

We can use the dtypes function to see what data type each column is in our DataFrame:

```
#display data type of each column in DataFrame  
df.dtypes
```

team object

points object

rebounds object

blocks object

dtype: object

We can see that none of the columns in the DataFrame are numeric.

We can use the .astype() function to convert specific columns to numeric:

```
#convert points, rebounds, and blocks columns to  
numeric
```

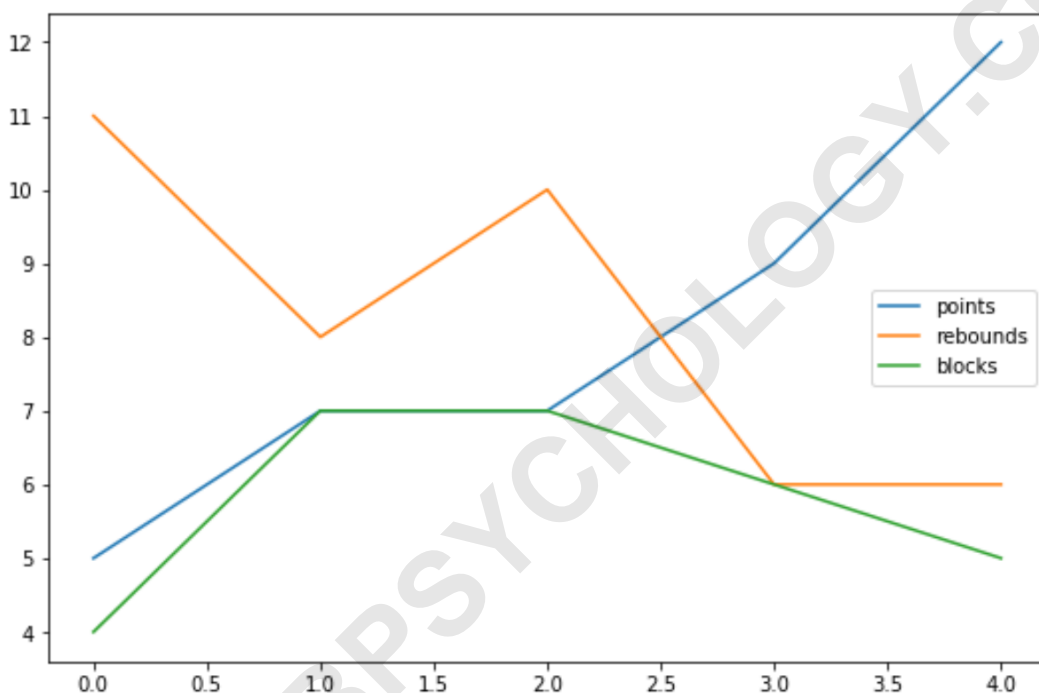
```
df=df.astype(float)
```

```
df=df.astype(float)
```

```
df=df.astype(float)
```

```
#create line plot for points, rebounds, and blocks
```

```
df].plot()
```



We're able to successfully create a line plot for points, rebounds, and blocks because each variable is now numeric.

We can verify this by using the dtypes function once again:

#display data type of each column in DataFrame
df.dtypes

team object

points float64

rebounds float64

blocks float64

dtype: object

The following tutorials explain how to fix other common errors in Python:

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