

How can the axis labels be rotated in Seaborn plots?

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Axis labels can be rotated in Seaborn plots by using the "rotate" parameter in the "set_xticklabels" and "set_yticklabels" methods. This allows for the customization of the angle at which the labels are displayed, providing a more visually appealing and readable plot. By specifying the desired rotation angle, the axis labels can be adjusted to suit the needs of the user, making it easier to interpret the data being presented. This feature in Seaborn helps to enhance the overall aesthetic and clarity of the plot, making it a useful tool for data visualization.

Rotate Axis Labels in Seaborn Plots

You can use the following basic syntax to rotate the axis labels in a plot in :

```
my_plot.set_xticklabels(my_plot.get_xticklabels(),  
rotation=45)
```

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

Example: How to Rotate Axis Labels in Seaborn Plot

Suppose we have the following pandas DataFrame that contains information about the points scored by basketball players on various teams:

```
import pandas as pd
```

```
#create DataFrame
```

```
df = pd.DataFrame({'team': ,
```

```
'points': })
```

```
#view DataFrame
```

```
print(df)
```

```
team points
```

```
0 Mavericks 22
```

```
1 Mavericks 14
```

```
2 Mavericks 9
```

```
3 Mavericks 7
```

```
4 Warriors 29
```

```
5 Warriors 20
```

```
6 Blazers 30
```

```
7 Blazers 34
```

```
8 Kings 19
```

```
9 some_really_really_long_name 12
```

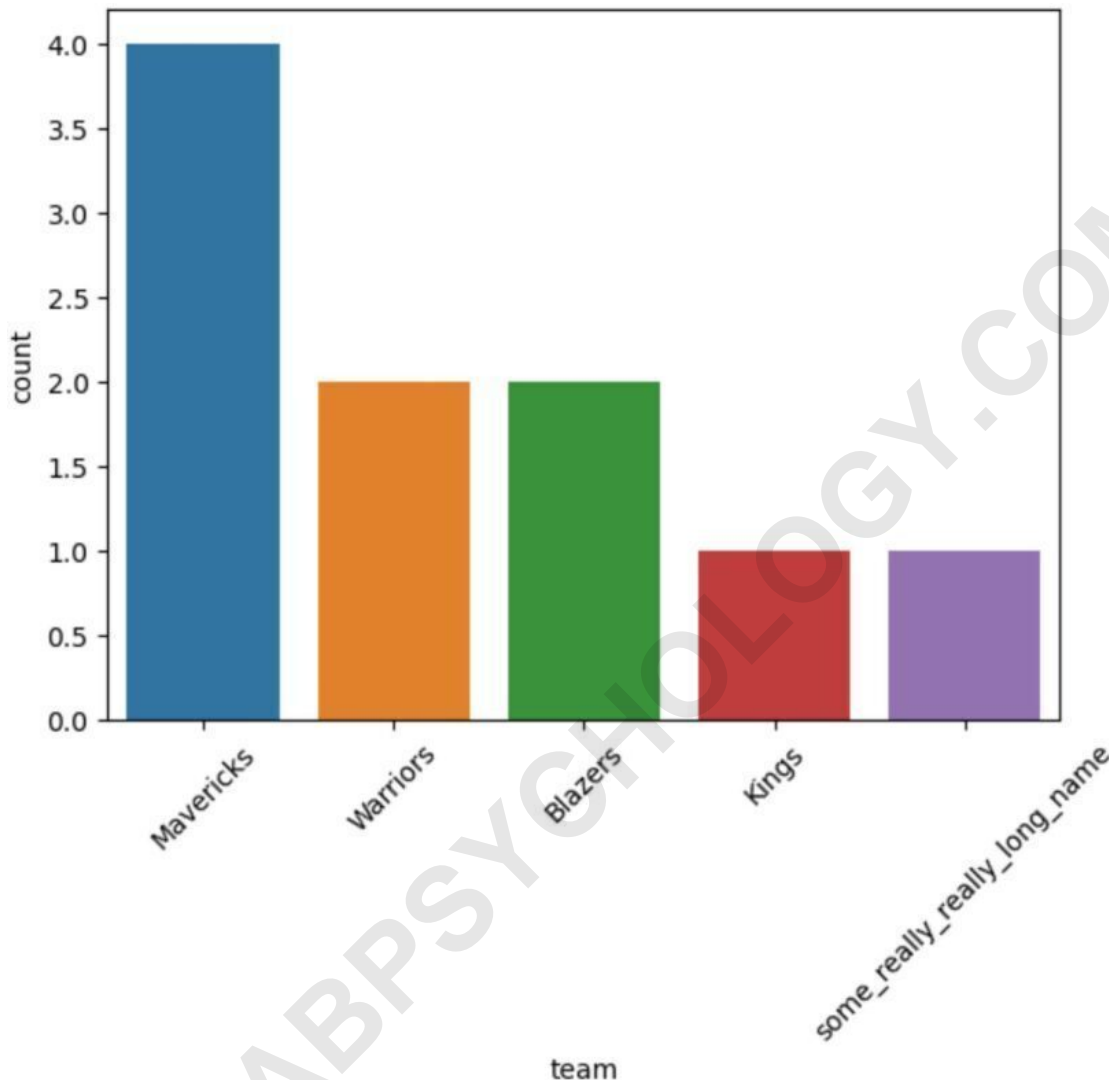
We can use the `countplot()` function in `seaborn` to create a plot that displays the count of each team in the DataFrame:

```
import seaborn as sns
```

```
#create seaborn countplot
```

```
my_plot = sns.countplot(data=df, x='team')
```


rotation=45)



Notice that each of the x-axis labels are now rotated 45 degrees.

If we'd like, we can also use the `horizontalalignment` argument to shift the x-axis labels to the left:

```
import seaborn as sns
```

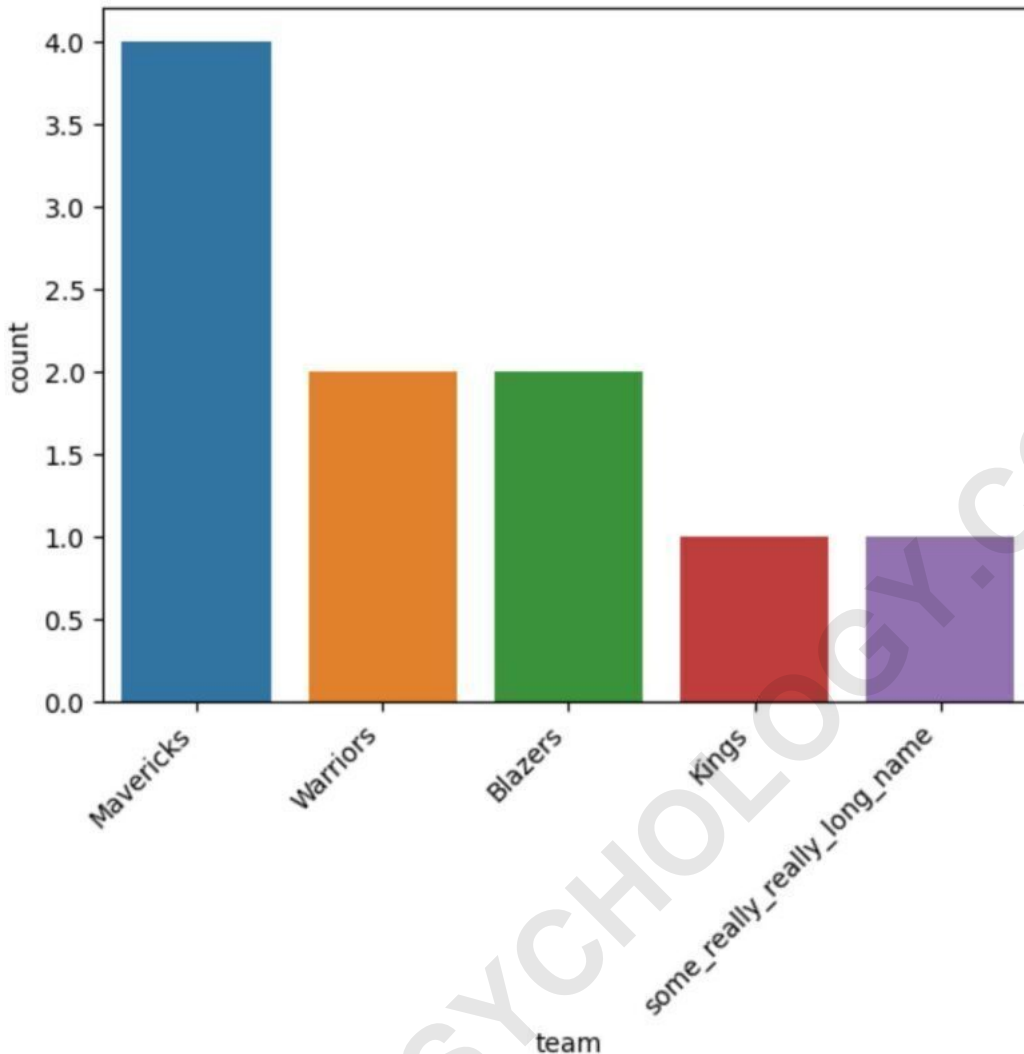
```
#create seaborn countplot
```

```
my_plot = sns.countplot(data=df, x='team')
```

```
#rotate x-axis labels
```

```
my_plot.set_xticklabels(my_plot.get_xticklabels(),  
rotation=45,  
horizontalalignment='right')
```

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Note: If you have trouble importing seaborn in a Jupyter notebook, you may first need to run the command `%pip install seaborn`.

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