

How to add a title to a Seaborn heatmap with an example?

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To add a title to a Seaborn heatmap, first import the necessary libraries, including Seaborn and Matplotlib. Then, create the heatmap using the Seaborn library. Next, use the "set_title" function from Matplotlib to add a title to the heatmap. This function allows you to specify the title text and any desired formatting options. For example, to add a title to a Seaborn heatmap displaying the correlation matrix of a dataset, you could use the code: "plt.set_title('Correlation Matrix')". This would add the title "Correlation Matrix" to the top of the heatmap. Titles are important for providing context and clarity to visualizations, so adding a title to a Seaborn heatmap can enhance the overall presentation of data.

Add Title to Seaborn Heatmap (With Example)

You can use the following basic syntax to add a title to a heatmap in seaborn:

```
import matplotlib.pyplot as plt
```

```
import seaborn as sns
```

```
#create heatmap
```

```
sns.heatmap(df)
```

```
#add title
```

```
plt.title('This is my title')
```

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

Example: Add Title to Heatmap in Seaborn

Suppose we have the following pandas DataFrame that

contains information about points scored by various basketball players during five consecutive years:

```
import pandas as pd
```

```
#create DataFrame
```

```
df = pd.DataFrame({'year': ,  
'player': ,  
'points': })
```

```
#pivot DataFrame
```

```
df = df.pivot('player', 'year', 'points')
```

```
#view DataFrame
```

```
print(df)
```

```
year 1 2 3 4 5
```

```
player
```

```
A 8 12 14 14 15
```

```
B 10 15 19 29 13
```

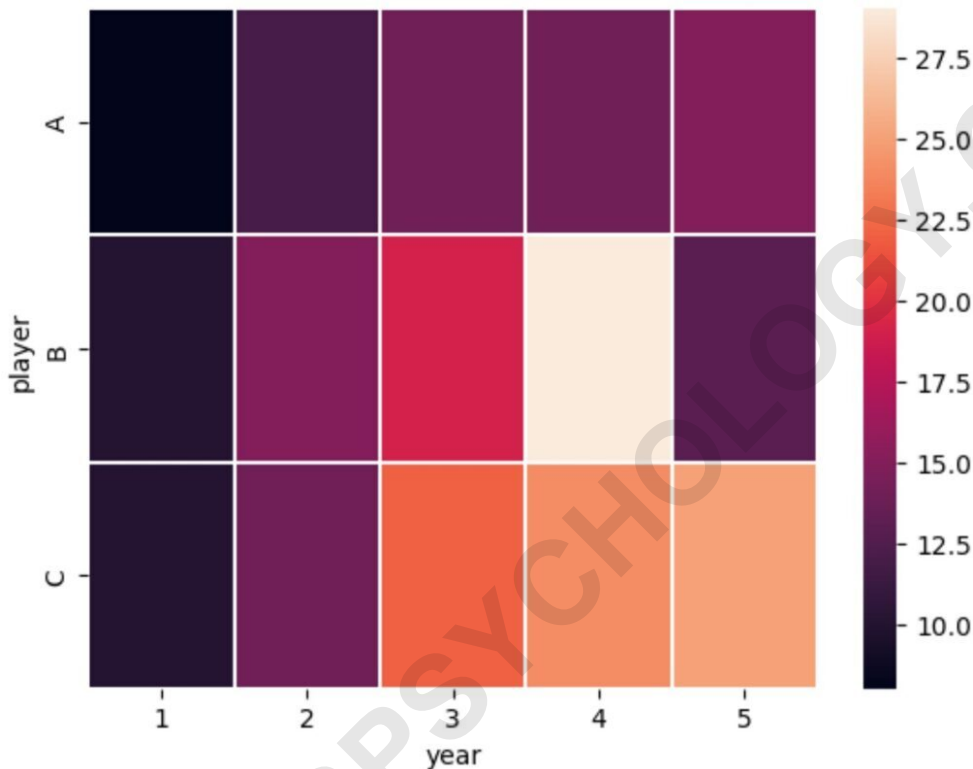
```
C 10 14 22 24 25
```

If we use the `heatmap()` function to create a heatmap in seaborn, no title will be added to the heatmap by default:

```
import seaborn as sns
```

```
#create heatmap
```

```
sns.heatmap(df, linewidth=.3)
```



However, we can use the `title()` function from `matplotlib` to quickly add a title to the heatmap:

```
import matplotlib.pyplot as plt
```

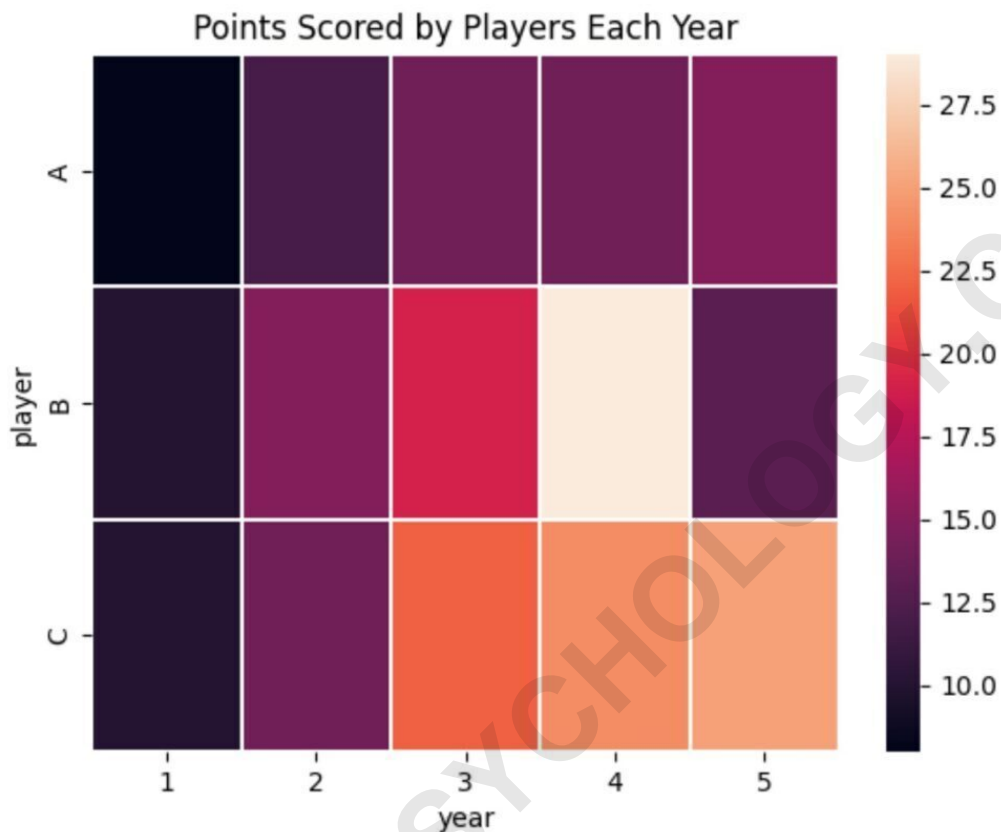
```
import seaborn as sns
```

```
#create heatmap
```

```
sns.heatmap(df, linewidth=.3)
```

#add title to heatmap

```
plt.title('Points Scored by Players Each Year')
```



Also note that we can use the following arguments within the title() function to modify the appearance of the title:

loc: Location of the title **textcolor:** Color of the title **textsize:** Font size of the title text

The following code shows how to add a title that is left-aligned, has a red font color, and a font size of 14:

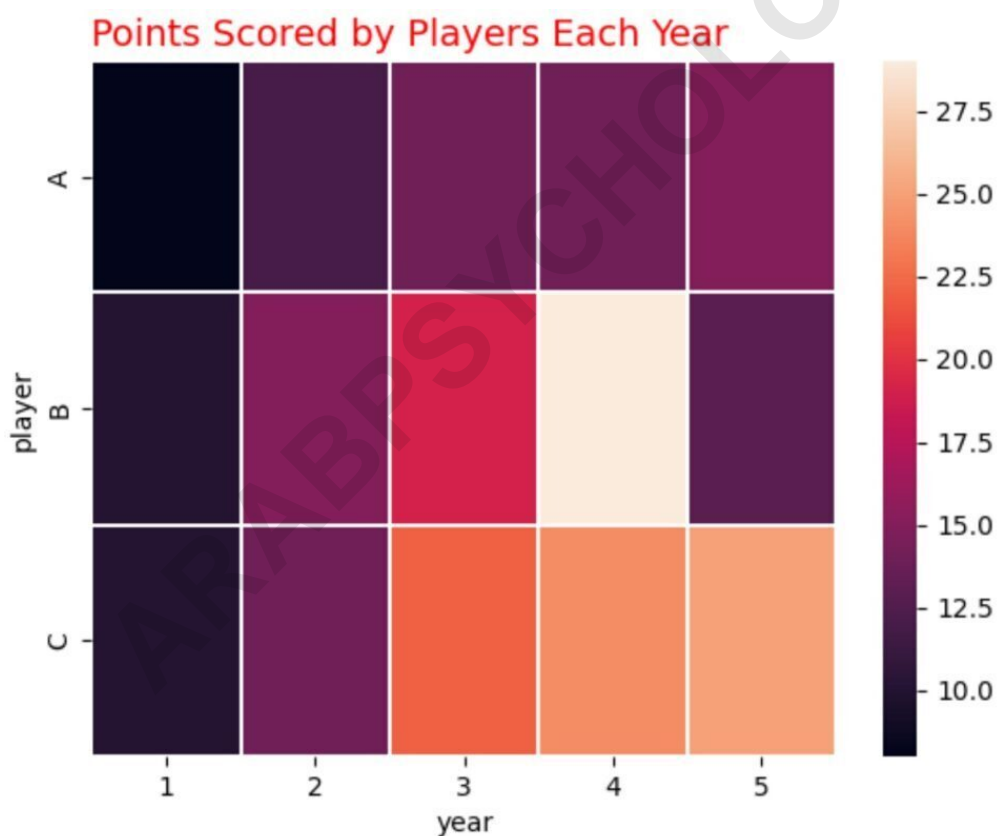
```
import matplotlib.pyplot as plt
import seaborn as sns
```

```
#create heatmap
```

```
sns.heatmap(df, linewidth=.3)
```

```
#add customized title to heatmap
```

```
plt.title('Points Scored by Players Each Year', loc='left',
color='red', size=14)
```



The following tutorials explain how to perform other

common operations in seaborn:

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