

How can I plot only horizontal gridlines in Matplotlib?

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RECOMMENDED CITATION

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The process of plotting only horizontal gridlines in Matplotlib involves using the "grid" function and setting the "axis" parameter to "y" to show only horizontal gridlines. This can be done by first importing the Matplotlib library and then specifying the desired plot using the "plt.plot()" function. The "grid()" function is then used to display the gridlines, with the "axis" parameter set to "y". This will result in only horizontal gridlines being shown on the plot. Furthermore, the appearance of the gridlines can be customized by using additional parameters such as "color" and "linestyle". This method allows for a more focused and clear representation of data on the plot.

Plot Only Horizontal Gridlines in Matplotlib

You can use the following basic syntax to only plot horizontal gridlines in Matplotlib:

```
ax.grid(axis='y')
```

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

Example: Plot Only Horizontal Gridlines in Matplotlib

The following code shows how to create a bar plot in Matplotlib with only horizontal gridlines shown in the plot:

```
import pandas as pd
import matplotlib.pyplot as plt

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

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

```
#define plot
```

```
fig, ax = plt.subplots()
```

```
#create bar plot
```

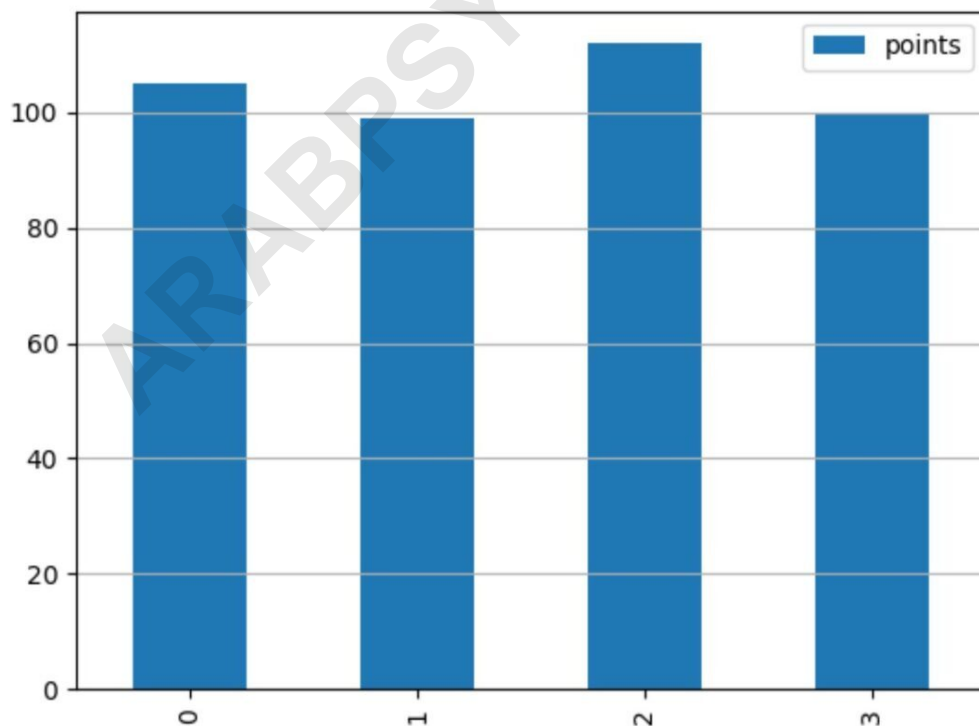
```
df.plot(kind='bar', ax=ax)
```

```
#add horizontal gridlines
```

```
ax.grid(axis='y')
```

```
#display plot
```

```
plt.show()
```



Feel free to use `ax.set_axisbelow(True)` to display the horizontal gridlines behind the bars in the plot:

```
import pandas as pd
import matplotlib.pyplot as plt

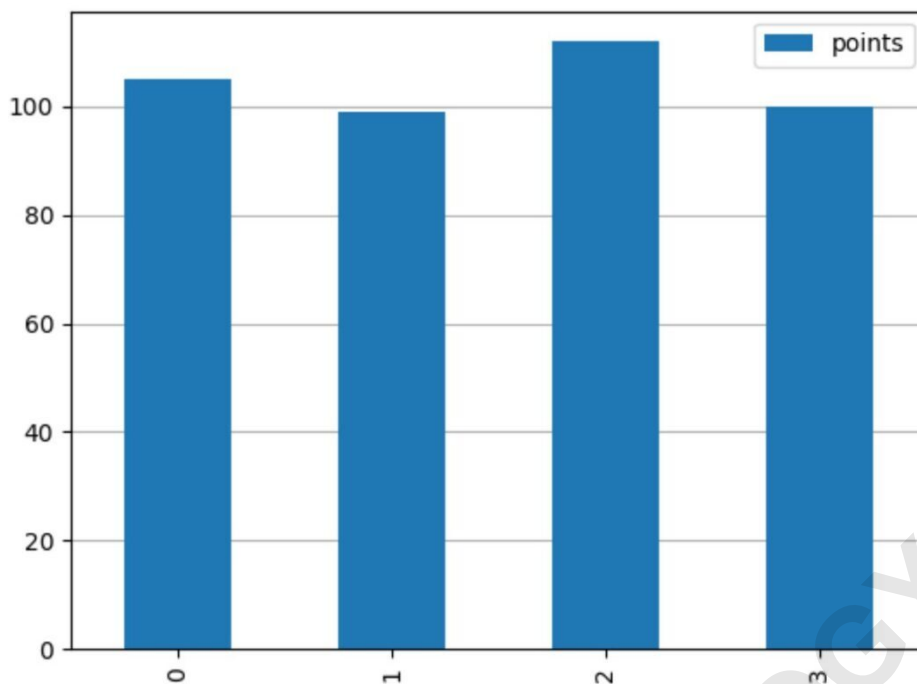
#create DataFrame
df = pd.DataFrame({'team':,
'points':})

#define plot
fig, ax = plt.subplots()

#create bar plot
df.plot(kind='bar', ax=ax)

#add horizontal gridlines behind bars in the plot
ax.set_axisbelow(True)
ax.grid(axis='y')

#display plot
plt.show()
```



And feel free to use the `color`, `linestyle`, and `linewidth` arguments within the `grid()` function to customize the appearance of the gridlines:

```
import pandas as pd
import matplotlib.pyplot as plt
```

```
#create DataFrame
df = pd.DataFrame({'team':,
'points':})
```

```
#define plot
fig, ax = plt.subplots()
```

```
#create bar plot
```

```
df.plot(kind='bar', ax=ax)
```

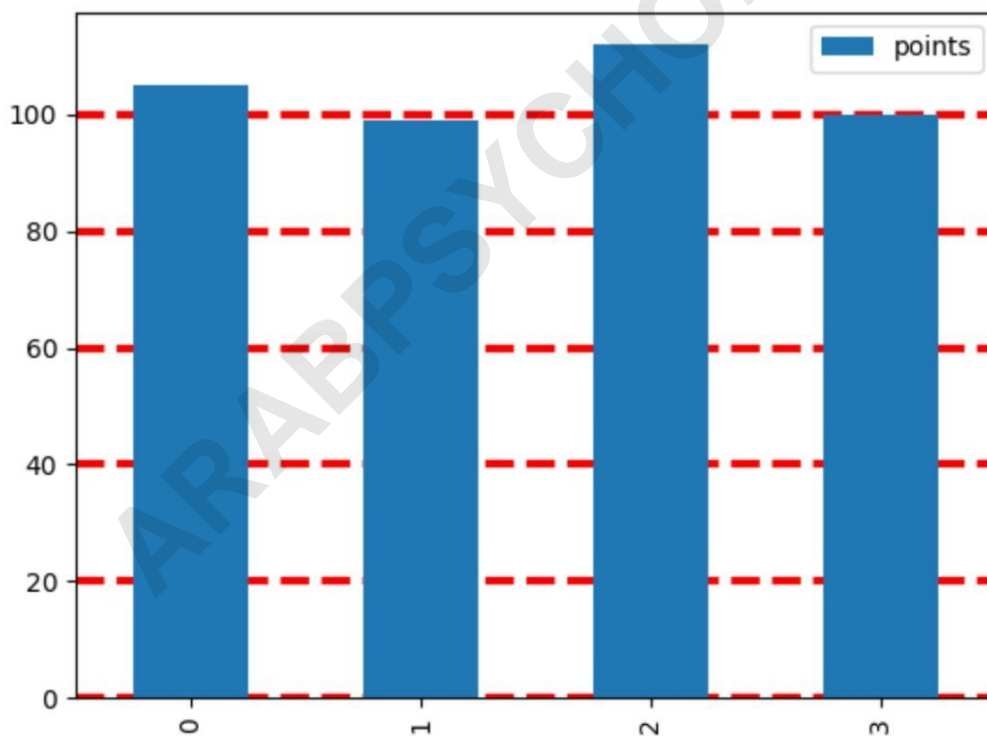
```
#add horizontal gridlines with custom appearance
```

```
ax.set_axisbelow(True)
```

```
ax.grid(axis='y', color='red', linestyle='dashed',  
linewidth=3)
```

```
#display plot
```

```
plt.show()
```



You can find a complete list of ways to customize the gridlines in the [Matplotlib documentation](#).

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

[How to Remove Ticks from Matplotlib Plots](#)

[How to Change Font Sizes on a Matplotlib Plot](#)

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