

# How can I adjust the line thickness in Seaborn?

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## RECOMMENDED CITATION

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Seaborn is a popular data visualization library in Python that offers a variety of customizable options for creating appealing and informative plots. One such option is adjusting the line thickness in plots, which can greatly impact the overall look and readability of the visualizations. To adjust the line thickness in Seaborn, users can utilize the `linewidth` parameter in the `sns.lineplot()` function. This parameter allows for specifying the desired thickness of the lines in the plot. By adjusting this parameter, users can easily fine-tune the appearance of their plots to meet their specific needs and preferences.

## Adjust Line Thickness in Seaborn (With Example)

You can use the `linewidth` argument within the `lineplot()` function to adjust the line thickness in seaborn plots:

```
import seaborn as sns
```

```
sns.lineplot(data=df, x='x_var', y='y_var', linewidth=2)
```

The greater the value you provide, the thicker the line will be.

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

**Example: Adjust Line Thickness in Seaborn**

Suppose we have the following pandas DataFrame that contains information about the sales made each day at some retail store:

```
import pandas as pd

#create DataFrame
df = pd.DataFrame({'day': ,
'sales': })
```

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

```
day sales
```

```
0 1 3
```

```
1 2 3
```

```
2 3 5
```

```
3 4 4
```

```
4 5 5
```

```
5 6 6
```

```
6 7 8
```

```
7 8 9
```

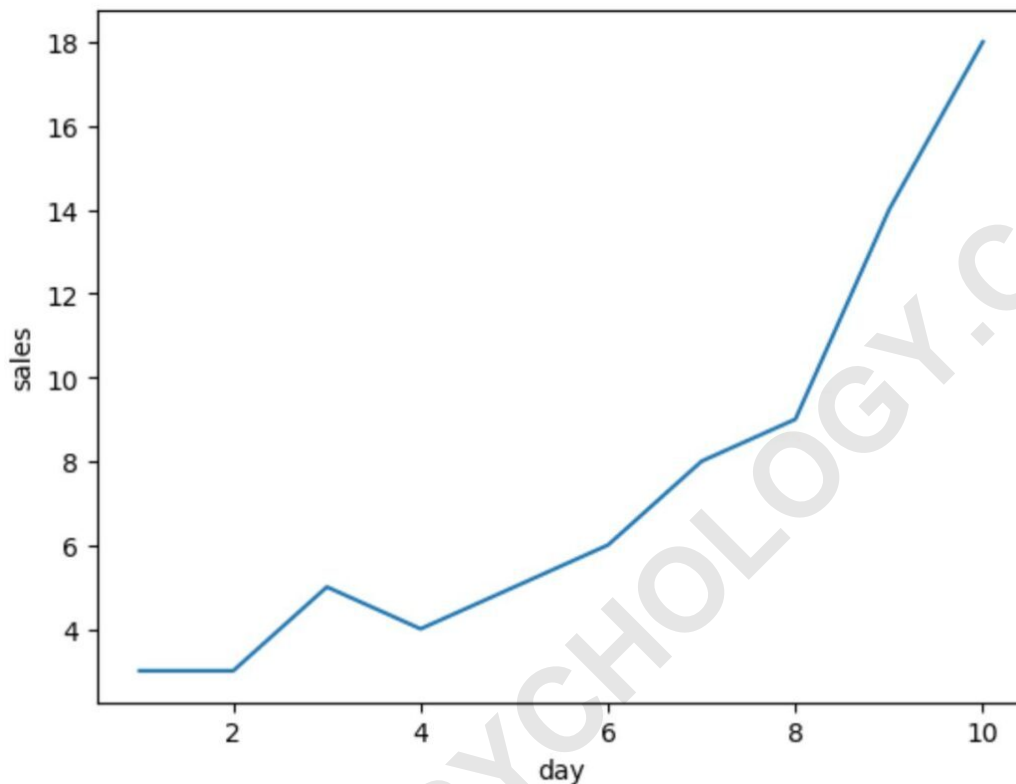
```
8 9 14
```

```
9 10 18
```

We can use the `lineplot()` function in `seaborn` to create a line plot with a default line width:

```
import seaborn as sns
```

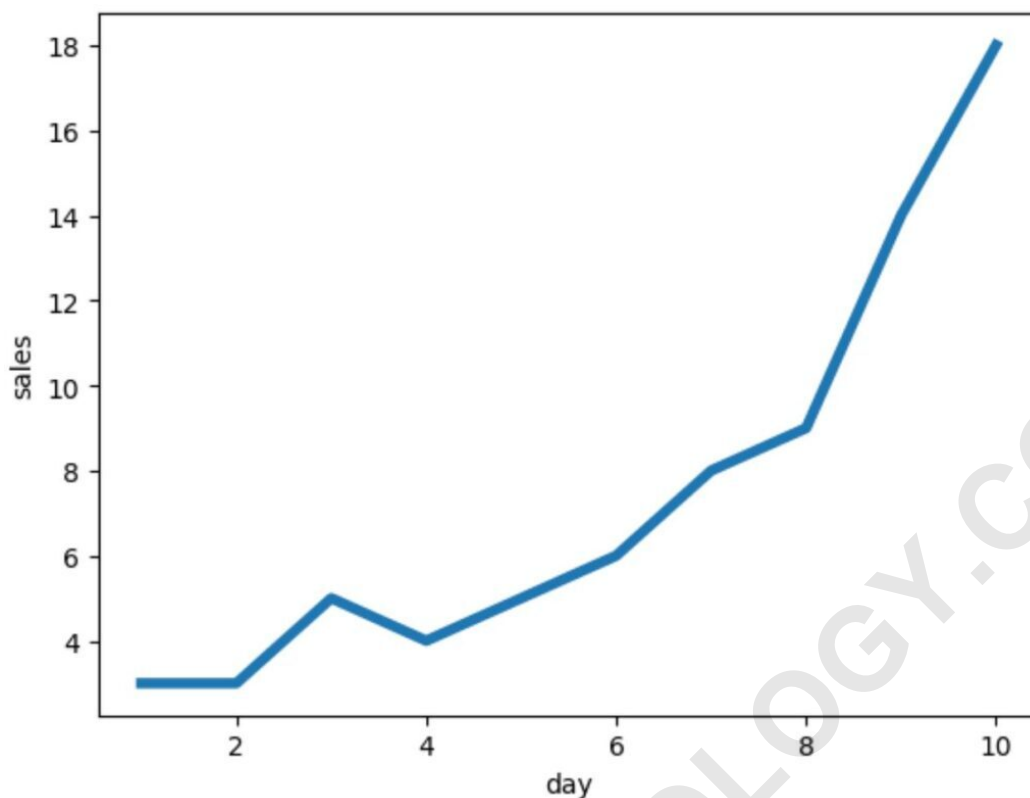
```
#create line plot with default line width  
sns.lineplot(data=df, x='day', y='sales')
```



**To increase the line width, we can use the linewidth argument:**

```
import seaborn as sns
```

```
#create line plot with increased line width  
sns.lineplot(data=df, x='day', y='sales', linewidth=4)
```



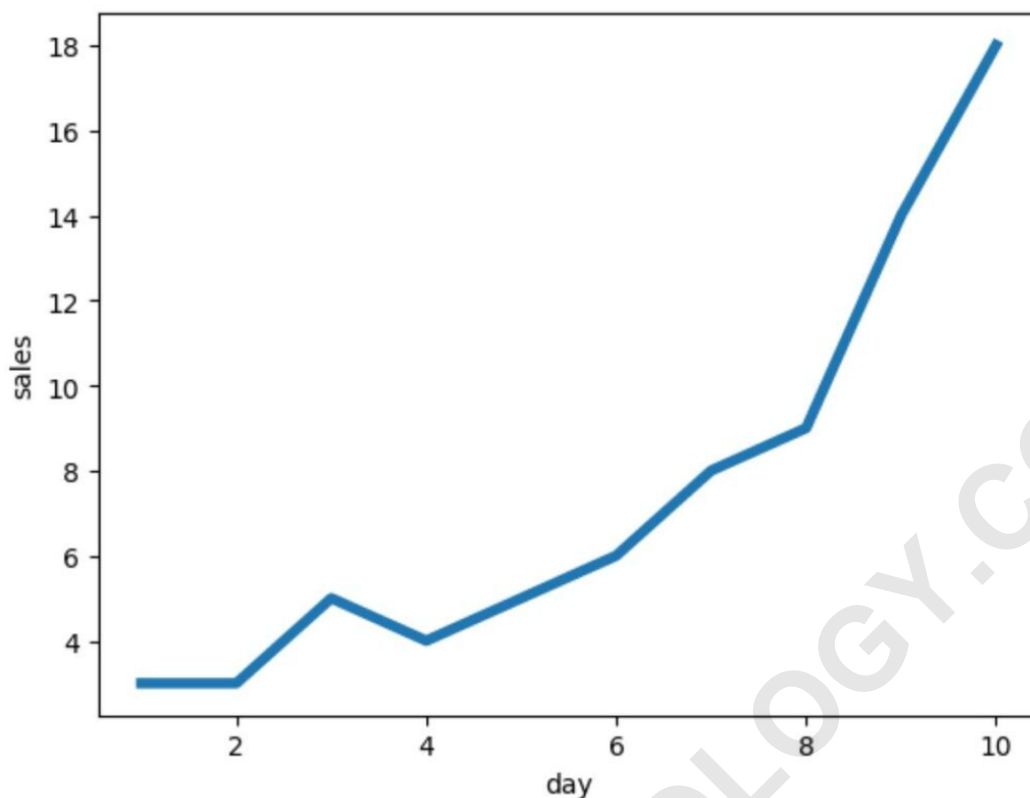
**Notice that the line is much thicker in this plot.**

**Also note that you can use `lw` as shorthand for "linewidth" if you'd like:**

```
import seaborn as sns
```

```
#create line plot with increased line width
```

```
sns.lineplot(data=df, x='day', y='sales', lw=4)
```



Also note that if you create a `LinePlot`, the `linewidth` argument will affect the thickness of each line in the plot.

**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: