

# How can I modify a Matplotlib histogram color? Can you provide some examples?

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## RECOMMENDED CITATION

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Modifying the color of a Matplotlib histogram is a simple process that can be done through the use of the "color" parameter. This parameter can be used to change the overall color of the histogram or to specify different colors for each bar. For example, to change the color of the histogram to red, the code would be "plt.hist(data, color='red')". To specify different colors for each bar, a list of colors can be provided, such as "plt.hist(data, color=)". Other options for modifying the color of the histogram include using the "cmap" parameter to specify a color map and using hexadecimal codes to specify specific colors. Overall, there are multiple ways to modify the color of a Matplotlib histogram, allowing for customization and creativity in data visualization.

## Modify a Matplotlib Histogram Color (With Examples)

You can use the following basic syntax to modify the color of a histogram in Matplotlib:

```
plt.hist(data, color = "lightblue", ec="red")
```

where:

**data:** The name of the data to use for the histogram  
**color:** The fill color for the bars in the histogram  
**ec:** The edge color for the bars in the histogram

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

**Example: Modifying a Matplotlib Histogram Color**

**Suppose we have the following list of values:**

**#define list of data**

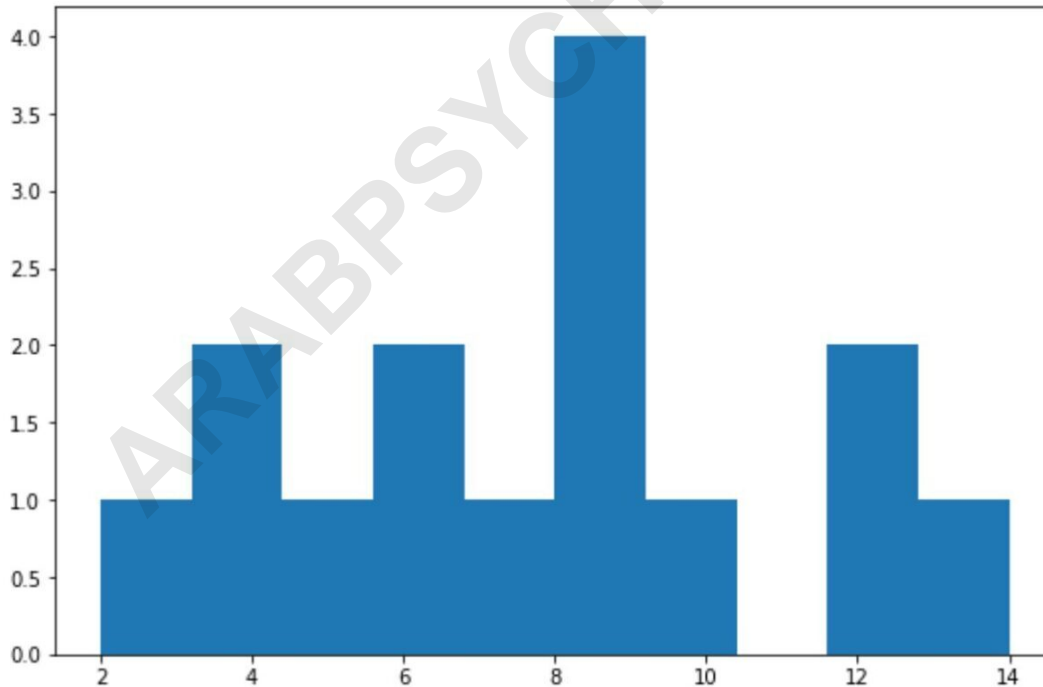
**data =**

**We can use the following basic syntax to create a Matplotlib histogram to visualize the values in this dataset:**

**import matplotlib.pyplot as plt**

**#create histogram**

**plt.hist(data)**



**By default, Matplotlib creates a histogram with a dark**

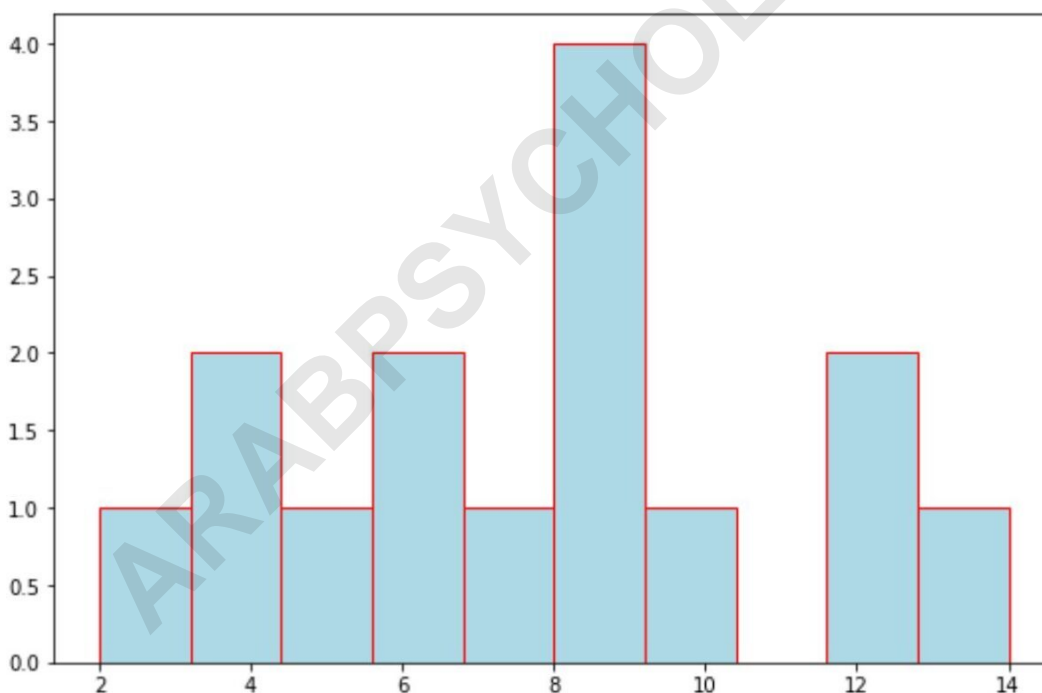
**blue fill color and no edge color.**

**However, we can use the following syntax to change the fill color to light blue and the edge color to red:**

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

```
#create histogram with light blue fill color and red edge color
```

```
plt.hist(data, color = "lightblue", ec="red")
```



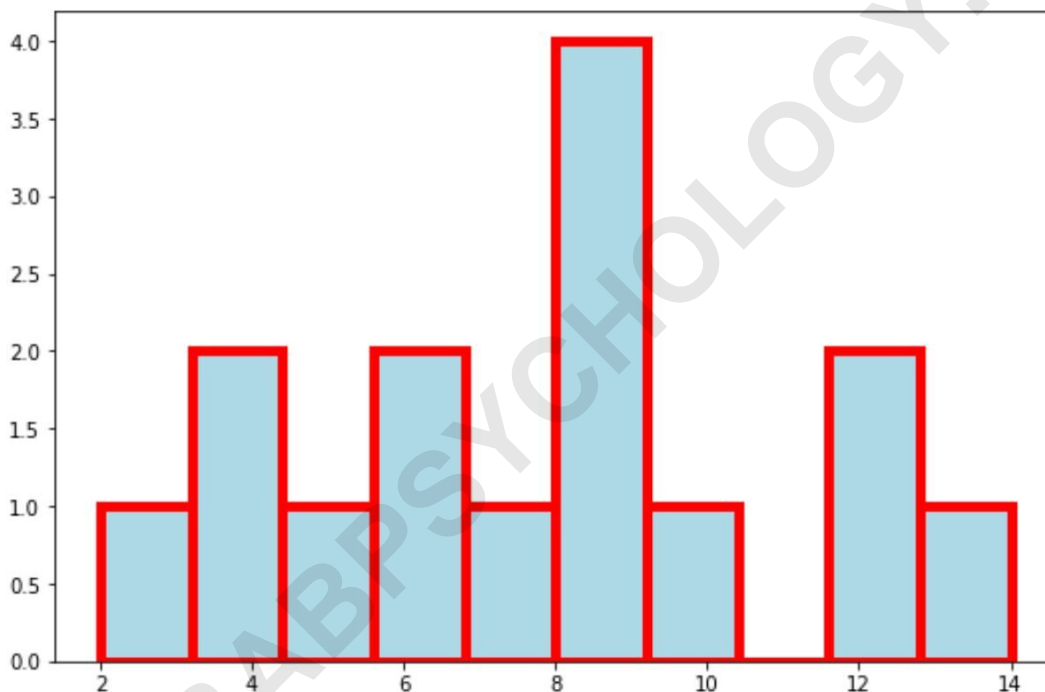
**The new histogram has a light blue fill color and a red edge color.**

You can also use the `lw` argument to modify the line width for the edges of the histogram:

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

```
#create histogram
```

```
plt.hist(data, color = "lightblue", ec="red", lw=5)
```



The larger the value you use for `lw`, the thicker the edges on the bars will be.

**Note:** You can find the complete documentation for the Matplotlib `hist` function .

## Additional Resources

**The following tutorials explain how to perform other common operations in Python:**

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