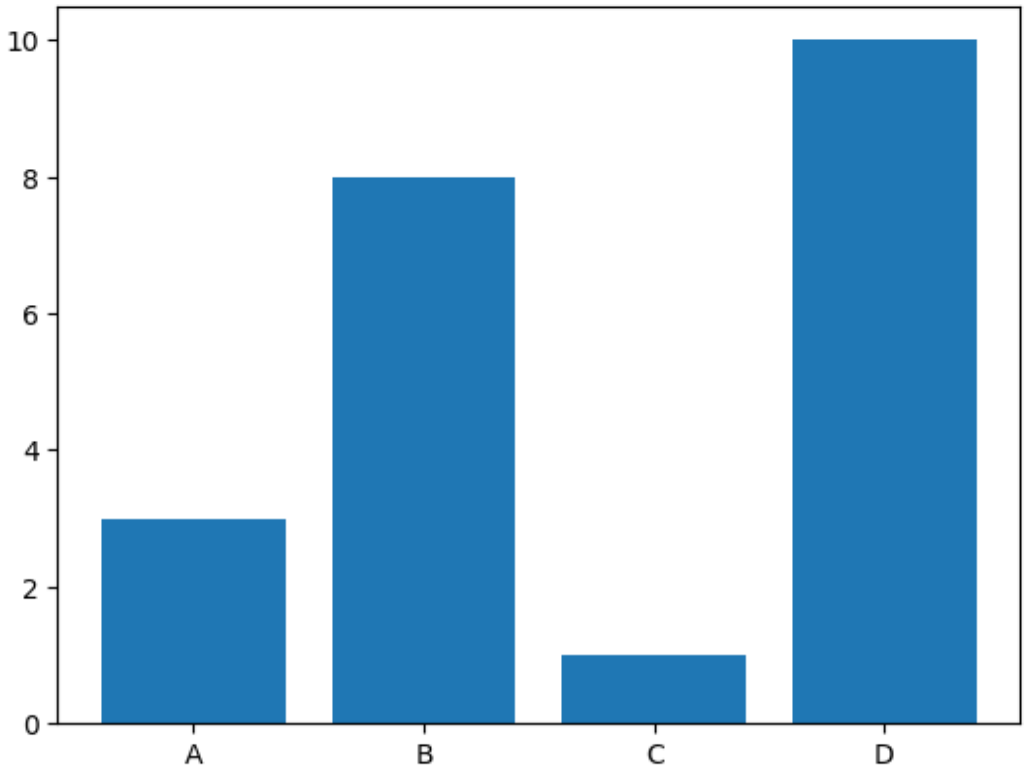
Matplotlib Bars

Creating Bars

With Pyplot, you can use the `bar()` function to draw bar graphs:

```
#Draw 4 bars:

import matplotlib.pyplot as plt
import numpy as np

x = np.array(["A", "B", "C", "D"])
y = np.array([3, 8, 1, 10])

plt.bar(x,y)
plt.show()
```



Horizontal Bars

If you want the bars to be displayed horizontally instead of vertically, use the `barh()` function:

Bar Color

The `bar()` and `barh()` take the keyword argument `color` to set the color of the bars:

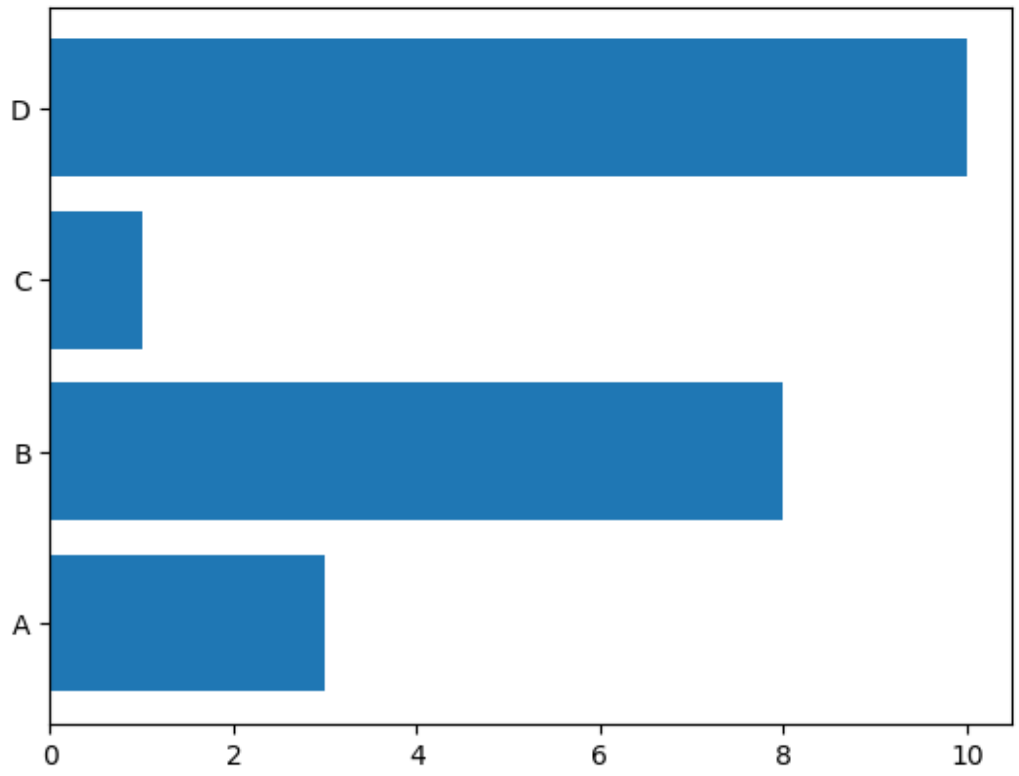
Bar Width

The `bar()` takes the keyword argument `width` to set the width of the bars:

Bar Height

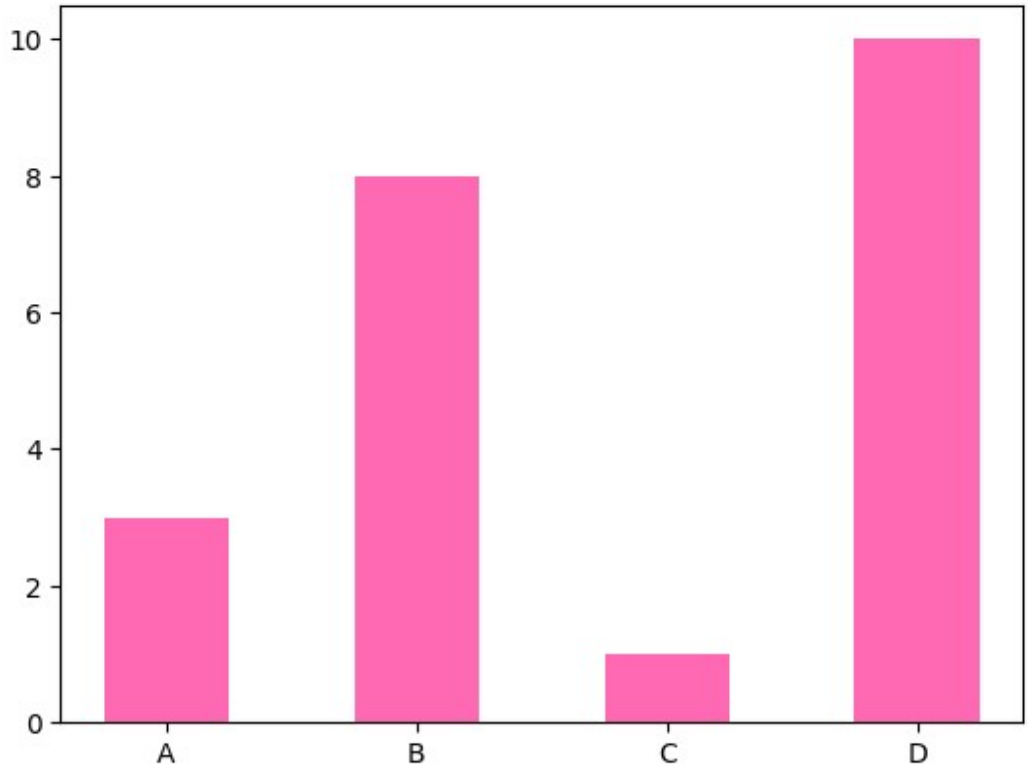
The `barh()` takes the keyword argument `height` to set the height of the bars:

```
import matplotlib.pyplot as plt
import numpy as np

x = np.array(["A", "B", "C", "D"])
y = np.array([3, 8, 1, 10])

plt.barh(x, y)
plt.show()
```




```
import matplotlib.pyplot as plt
import numpy as np
```

```
x = np.array(["A", "B", "C", "D"])
y = np.array([3, 8, 1, 10])

plt.bar(x, y, color = "hotpink",width = 0.5)
#plt.bar(x, y, color = "#4CAF50")
plt.show()
```



Note: For horizontal bars, use `height` instead of `width`. The default width value is 0.8

```

```