

- ▶ Python and Software Engineering Best Practices (P-7)

- ▶ Python and Software Engineering Best Practices (P-8)

- ▶ Python and Software Engineering Best Practices (P-9)

- ▶ Python and Software Engineering Best Practices (P-10)

- ▶ DS specific libraries (P-1)

- ▶ DS specific libraries (P-2)

- ▼ DS specific libraries (P-3)

**Sample Code:**  
**Matplotlib**

Code Challenge

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```
axes.set_ylim([0, 1.0])
axes.set_xticks([-5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5])
axes.set_yticks([0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8])
axes.grid()
plt.plot(x, norm.pdf(x))
plt.plot(x, norm.pdf(x, 1.0, 0.5))
plt.show()
```

#Change Line Types and Colors

```
axes = plt.axes()
axes.set_xlim([-5, 5])
axes.set_ylim([0, 1.0])
axes.set_xticks([-5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5])
axes.set_yticks([0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8])
axes.grid()
plt.plot(x, norm.pdf(x), 'b-')
plt.plot(x, norm.pdf(x, 1.0, 0.5), 'r-')
plt.show()
```

#Labeling Axes and Adding a Legend