

- ▶ 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

Code Challenge

Submission 42

```
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.xlabel('Greebles')
plt.ylabel('Probability')
plt.plot(x, norm.pdf(x), 'b-')
plt.plot(x, norm.pdf(x, 1.0, 0.5), 'r:')
plt.legend(['Sneetches', 'Gacks'], loc=4)
plt.show()
```

#PIE CHART

```
plt.rcParamsdefaults()

values = [12, 55, 4, 32, 14]
colors = ['r', 'g', 'b', 'c', 'm']
explode = [0, 0, 0.2, 0, 0]
```

```
labels = ['India', 'United States', 'Russia', 'China', 'EU']
```