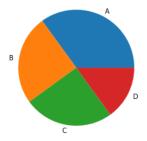


In [2]: ▶ # Let's add labels as follows:

```
%matplotlib inline
import matplotlib.pyplot as plt
import numpy as np
data = np.array([35, 25, 25, 15])
mylabels = ['A', 'B', 'C', 'D']
plt.pie(data,labels = mylabels)
plt.show()
```



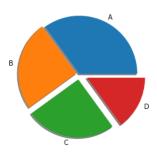
In [3]: ▶ # You can even separate the parts of the pie a bit, as follows:

```
%matplotlib inline
import matplotlib.pyplot as plt
import numpy as np
data = np.array([35, 25, 25, 15])
mylabels = ['A', 'B', 'C', 'D']
explode = [0.0, 0.05, 0.1, 0.15]
plt.pie(data,labels = mylabels,explode = explode)
plt.show()
```



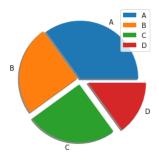
In [4]: ▶ # You can also enable shadows as follows:

```
%matplotlib inline
import matplotlib.pyplot as plt
import numpy as np
data = np.array([35, 25, 25, 15])
mylabels = ['A', 'B', 'C', 'D']
explode = [0.0, 0.05, 0.1, 0.15]
plt.pie(data,labels = mylabels,explode = explode,shadow = True)
plt.show()
```



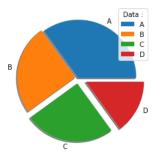
In [5]: ▶ # You can also add a legend to the output as follows:

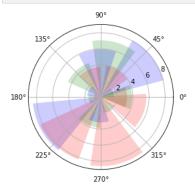
```
%matplotlib inline
import matplotlib.pyplot as plt
import numpy as np
data = np.array([35, 25, 25, 15])
mylabels = ['A', 'B', 'C', 'D']
explode = [0.0, 0.05, 0.1, 0.15]
plt.pie(data,labels = mylabels,explode = explode,shadow = True)
plt.legend()
plt.show()
```

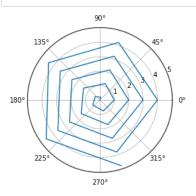


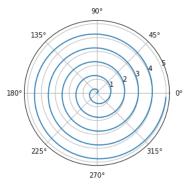
In [6]: ▶ # You can add a title for the legend as follows:

```
%matplotlib inline
import matplotlib.pyplot as plt
import numpy as np
data = np.array([35, 25, 25, 15])
mylabels = ['A', 'B', 'C', 'D']
explode = [0.0, 0.05, 0.1, 0.15]
plt.pie(data,labels = mylabels,explode = explode,shadow = True)
plt.legend(title='Data :')
plt.show()
```









In [10]: # Let's see a couple of examples of scatter plots on a polar graph. To start, prepare the
data as shown here:

%matplotlib inline
import matplotlib.pyplot as plt
import numpy as np
N = 150
r = np.random.rand(N)
theta = 2 * np.pi * np.random.rand(N)
size = r * 100
You can visualize this as follows:
plt.subplot(projection='polar')
plt.scatter(theta, r, c=theta,s=size, cmap='hsv',alpha=0.5)
plt.show()

