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Scatter plot

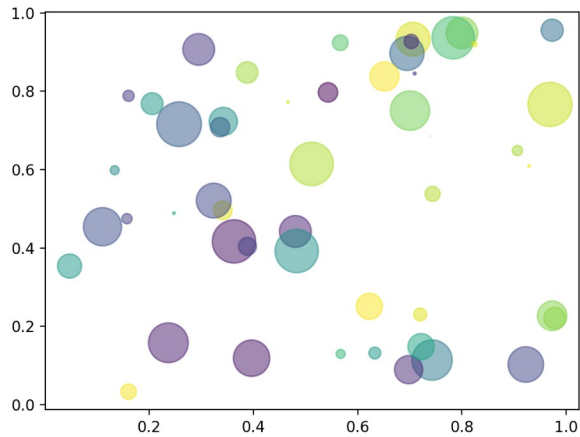
This example showcases a simple scatter plot.

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

# Fixing random state for reproducibility
np.random.seed(19680801)

N = 50
x = np.random.rand(N)
y = np.random.rand(N)
colors = np.random.rand(N)
area = (30 * np.random.rand(N))**2 # 0 to 15 point radii

plt.scatter(x, y, s=area, c=colors, alpha=0.5)
plt.show()
```



References

The use of the following functions, methods, classes and modules is shown in this example:

- [matplotlib.axes.Axes.scatter](#) / [matplotlib.pyplot.scatter](#)

[Download Python source code: scatter.py](#)

[Download Jupyter notebook: scatter.ipynb](#)

Keywords: matplotlib code example, codex, python plot, pyplot

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