

# 法律声明

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■ 微信公众号：大数据分析挖掘

■ 新浪微博：ChinaHadoop





# 零基础Python入门

--梁斌

# 第八讲





































































































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## 模拟掷骰子 3.0

# 案例描述

- 通过计算机程序模拟抛掷骰子，并显示各点数的出现次数及频率
- 比如，抛掷2个骰子50次，出现点数为7的次数是8，频率是0.16

# 案例描述

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- 通过计算机程序模拟抛掷骰子，并显示各点数的出现次数及频率
- 1.0功能：模拟抛掷1个骰子，并输出其结果
- 2.0功能：模拟抛掷2个骰子，并输出其结果
- 3.0功能：可视化抛掷2个骰子的结果

# 案例分析

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- 如何通过Python模拟随机事件？或者生成随机数？
  - random模块
- 遍历列表时，如何同时获取每个元素的索引号及其元素值？
  - enumerate()函数
- 如何将对应的点数和次数关联起来？
  - zip()函数
- Python数据可视化
  - matplotlib模块

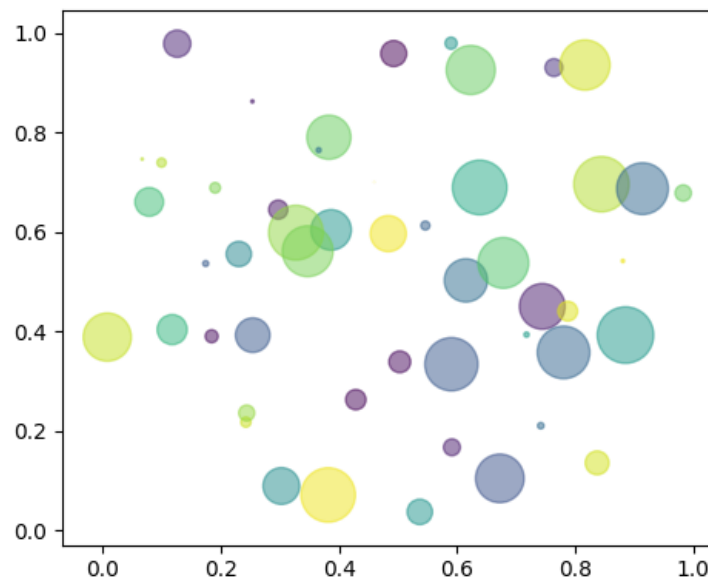
# matplotlib模块



- matplotlib是一个数据可视化函数库
- matplotlib的子模块pyplot提供了2D图表制作的基本函数
- 例子：<https://matplotlib.org/gallery.html>

- 散点图绘制

```
import matplotlib.pyplot as plt  
  
# x, y分别是x坐标和y坐标的列表  
  
plt.scatter(x, y)  
  
plt.show()
```



# Next?

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- 对抛掷的结果进行简单的数据统计和分析





# 疑问

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□ 问题答疑：<http://www.xxwenda.com/>

■ 可邀请老师或者其他人回复问题

小象问答邀请 @Robin\_TY 回答问题



# 联系我们

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