

Python数据可视化之

matplotlib

实践

刘大成 / 著

- 全面讲解使用matplotlib绘制各种图表的方法，并灵活设置图形
- 采用大量案例，使读者可以根据自身需求灵活使用matplotlib中的函数、面向对象方法和绘图语句



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· 数据分析从入门到实战系列 ·

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内 容 简 介

本书借助 matplotlib 讲解开展 Python 数据可视化实践所需要掌握的关键知识和技能。本书主要由 matplotlib 入门、精进、演练和拓展四部分组成。同时，为方便读者对书中的内容进行有效实践，相关章节都会配以大量典型的案例。书中使用的代码只涉及了 Python 中的基础知识，有利于读者将时间和精力放在数据可视化的实践本身。

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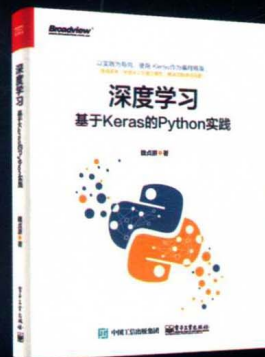
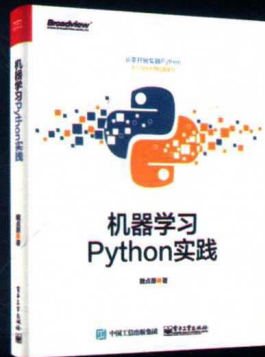
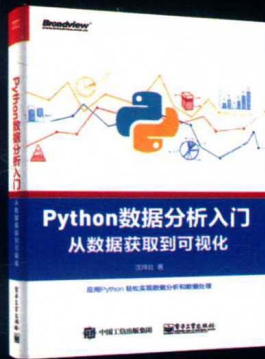
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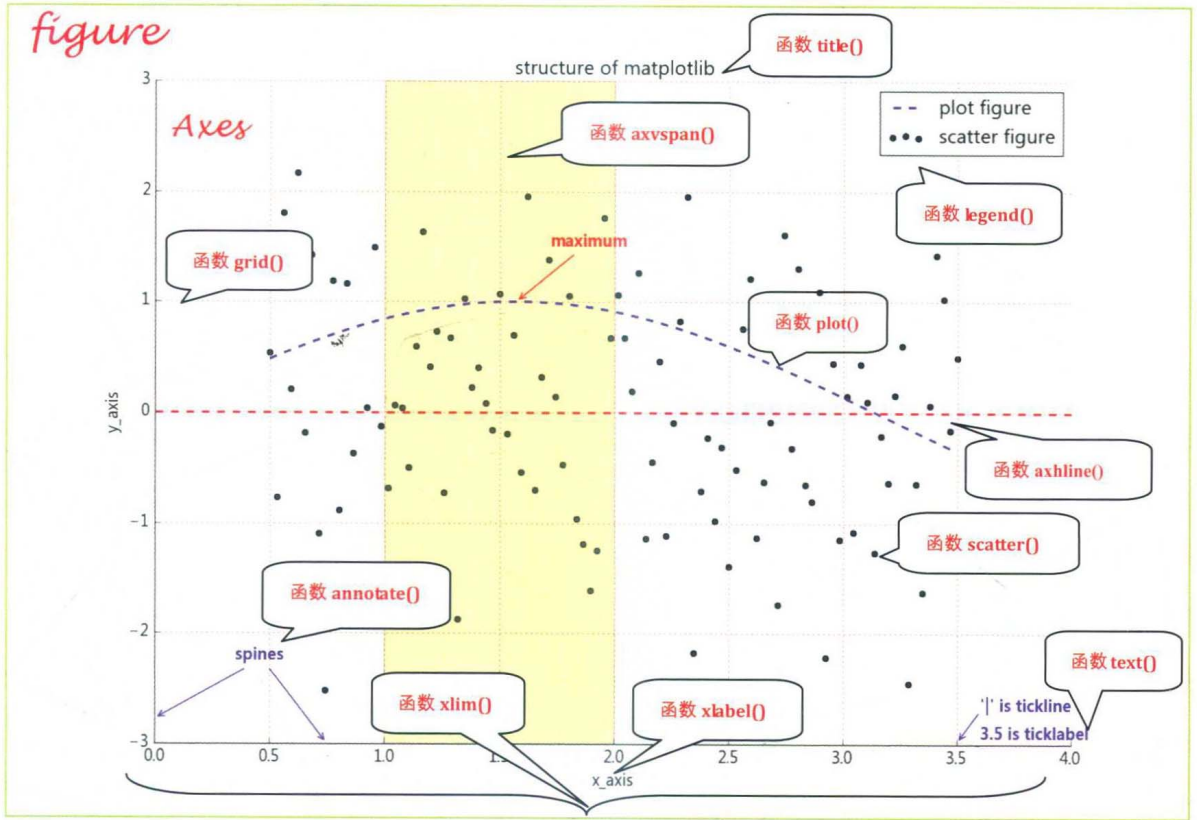


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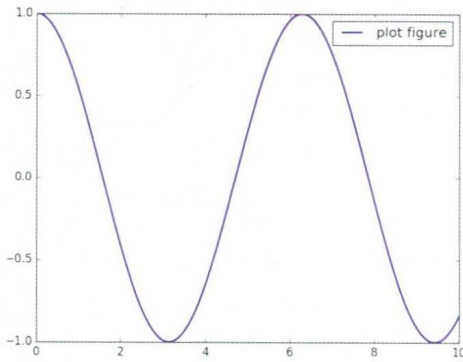


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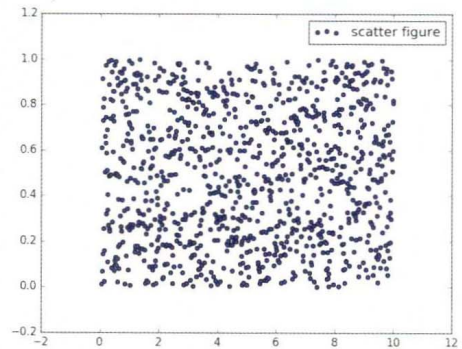


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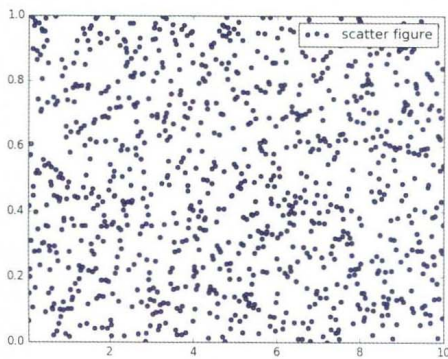


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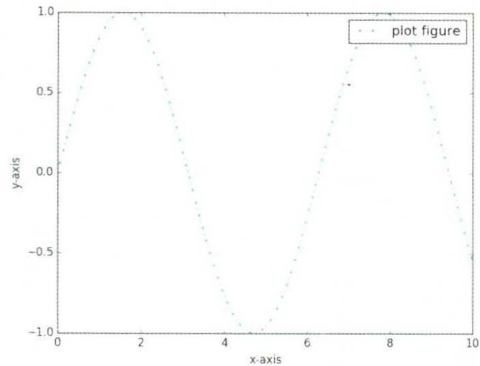


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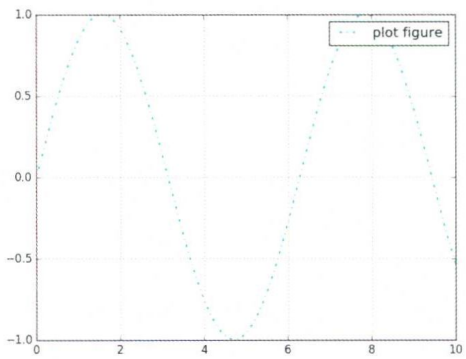


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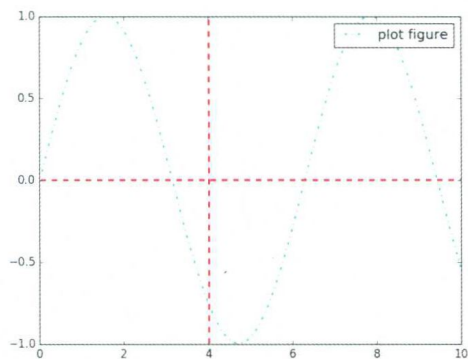


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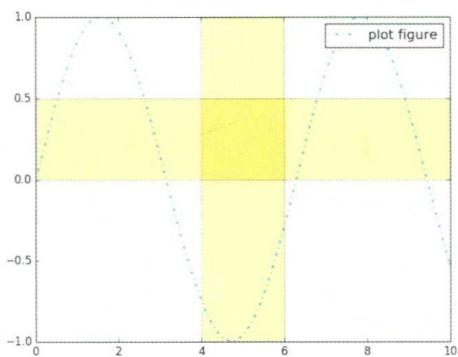


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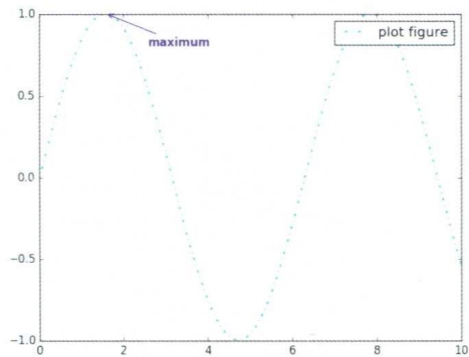


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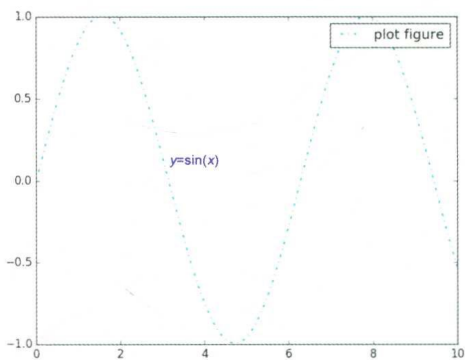


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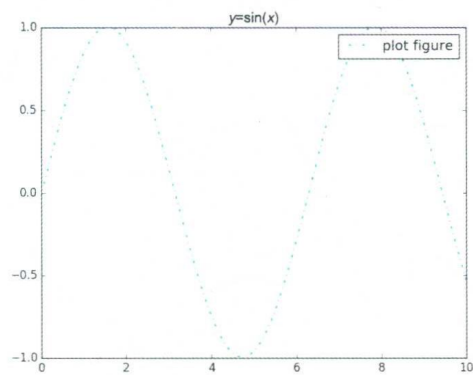


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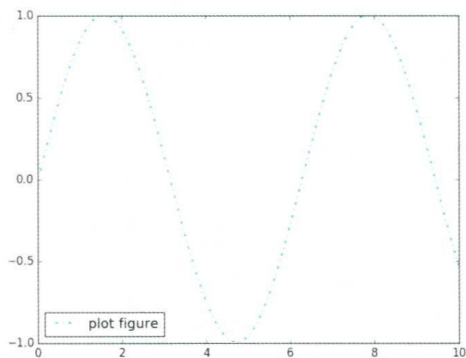


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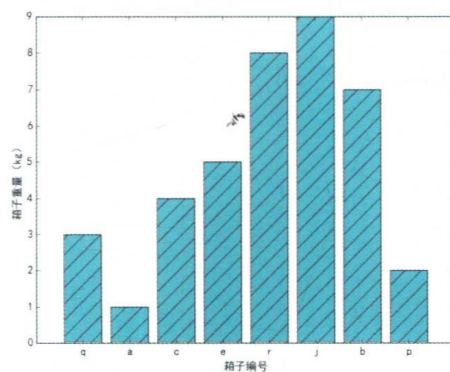


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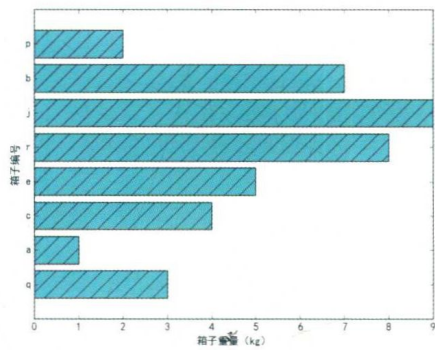


图 2.2

不同类型箱子的销售数量分布

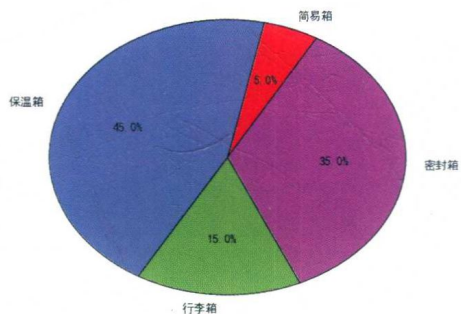


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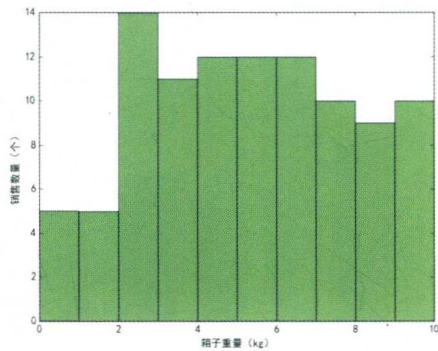


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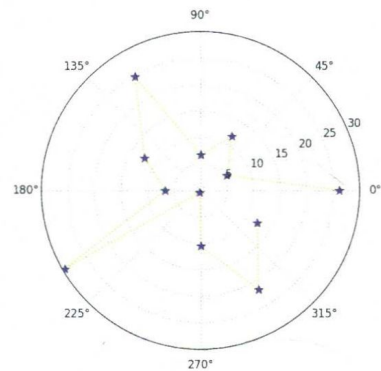


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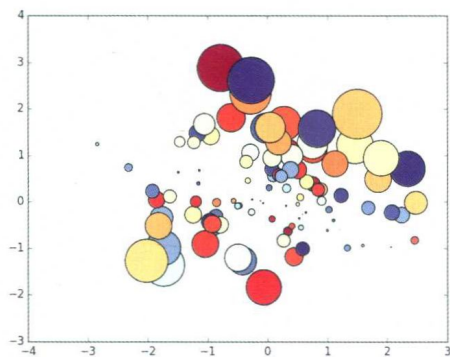


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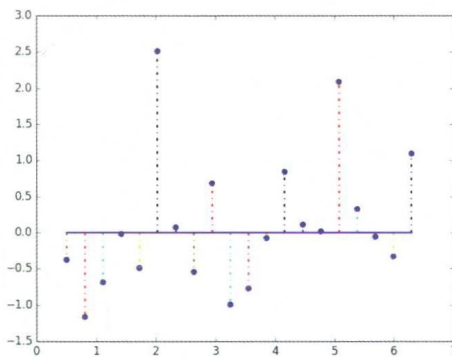


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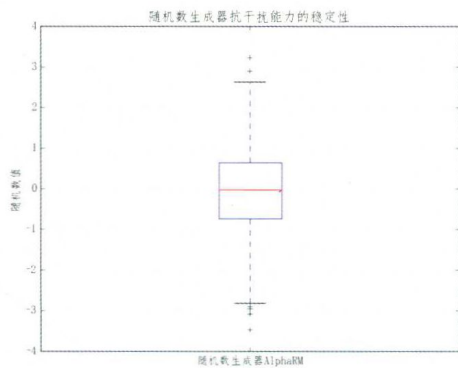


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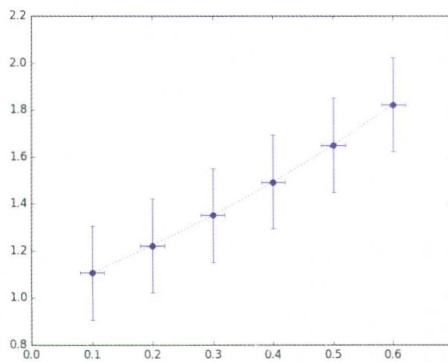


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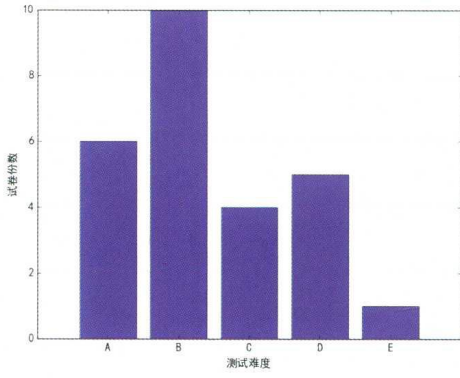


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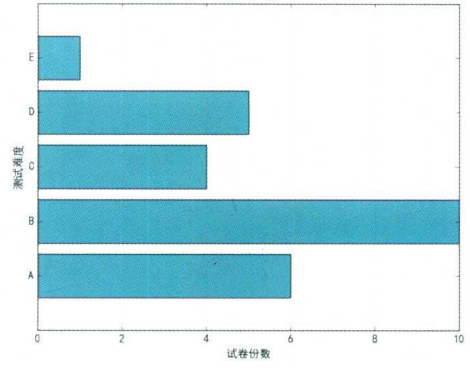


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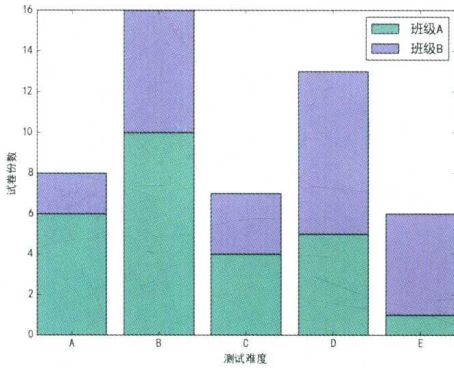


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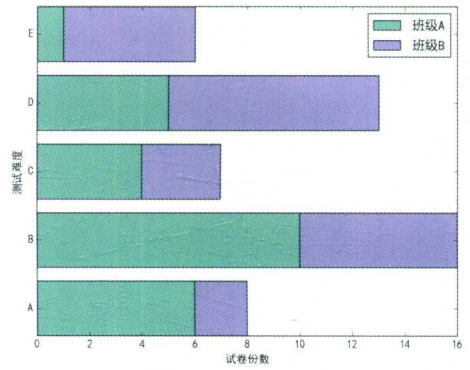


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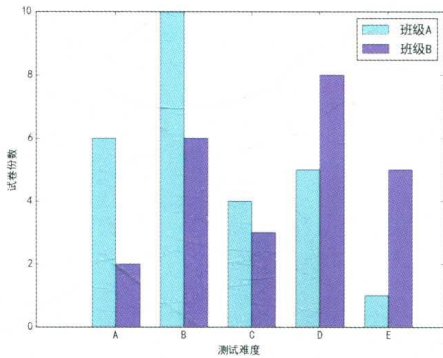


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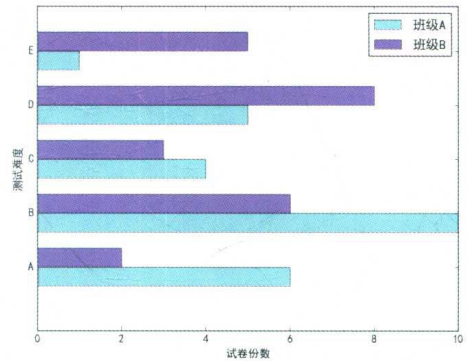


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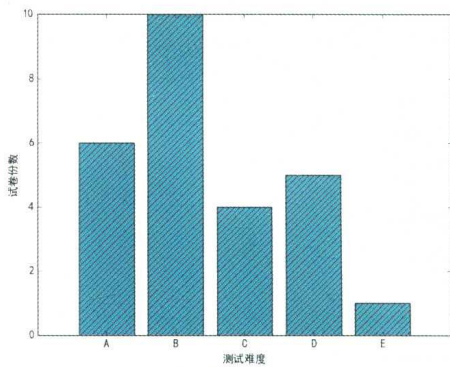


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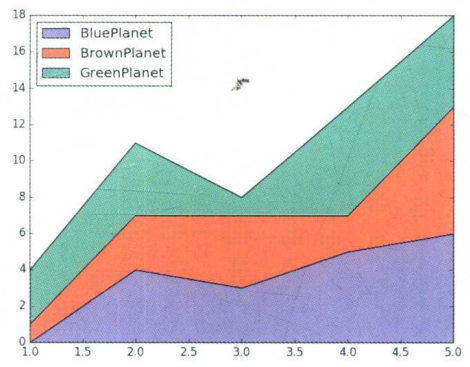


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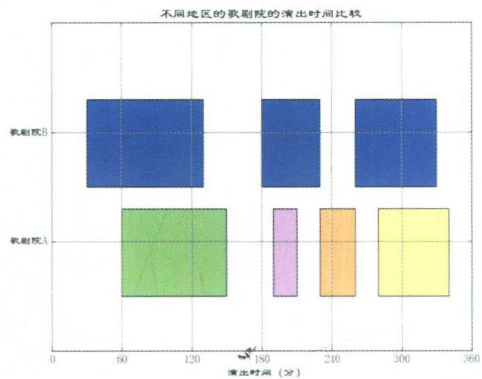


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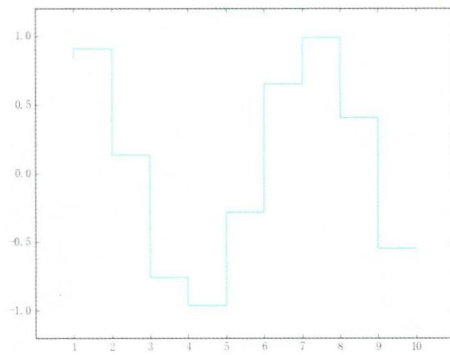


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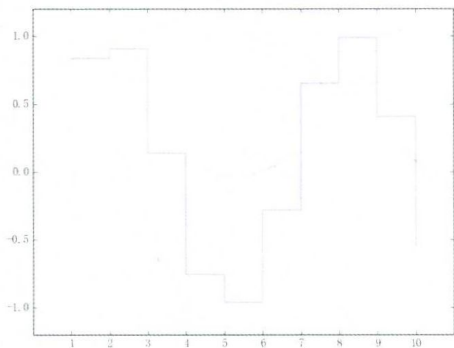


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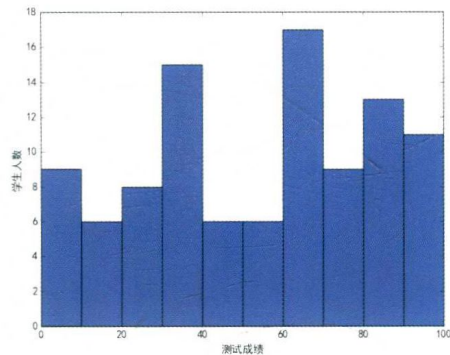


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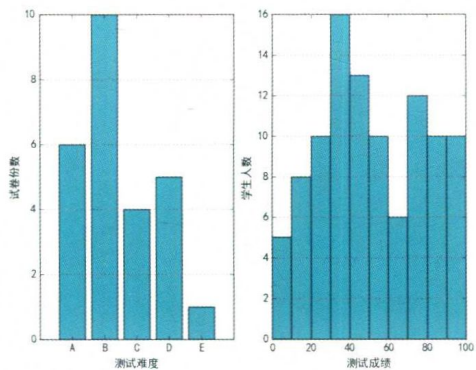


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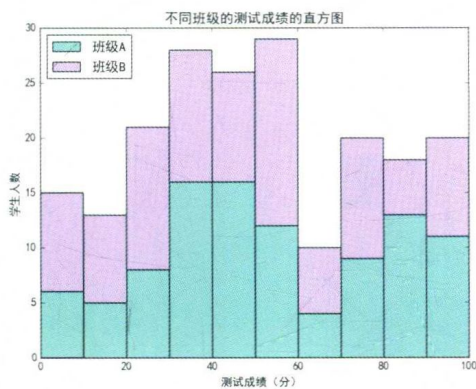


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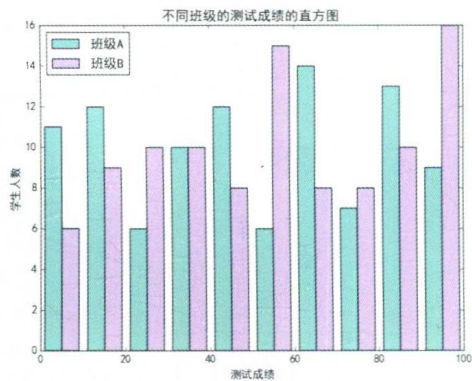


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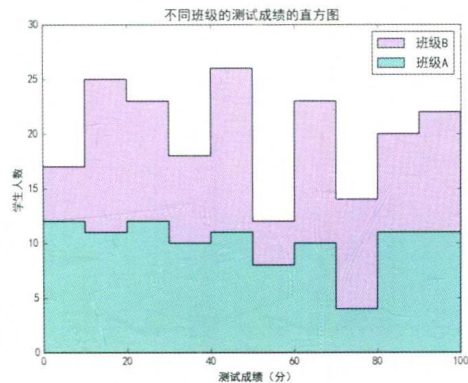


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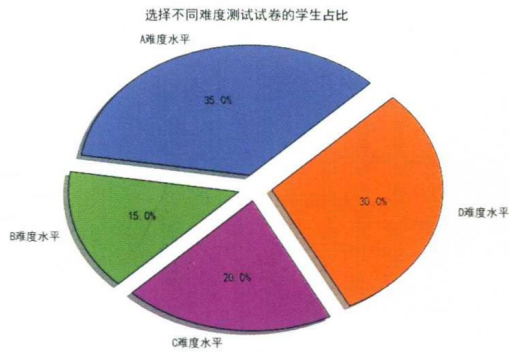


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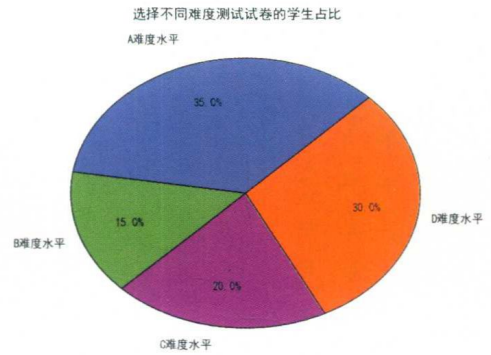


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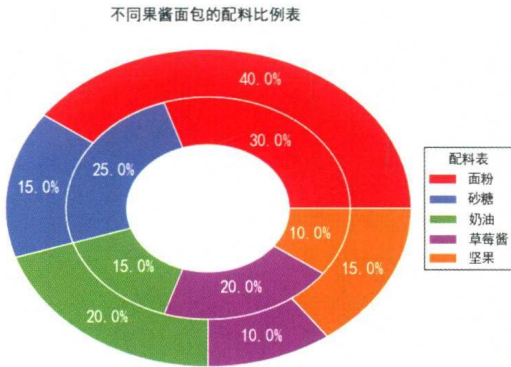


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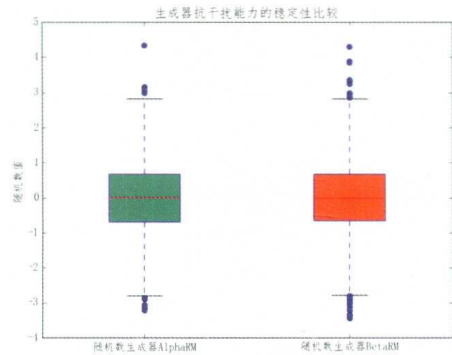


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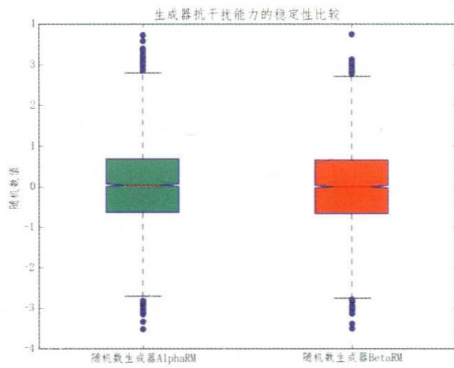


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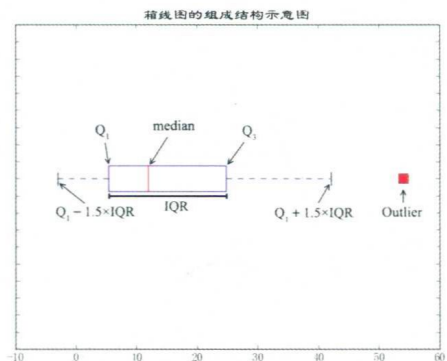


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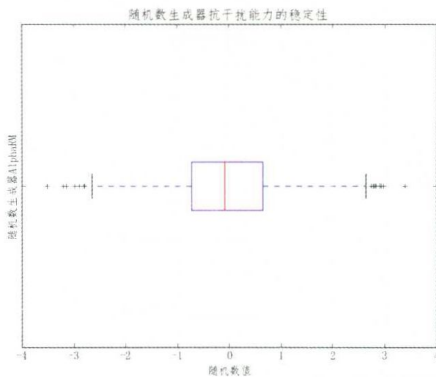


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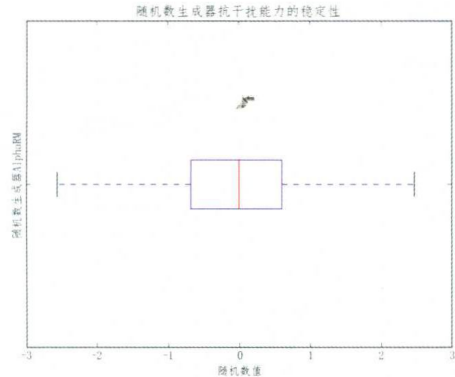


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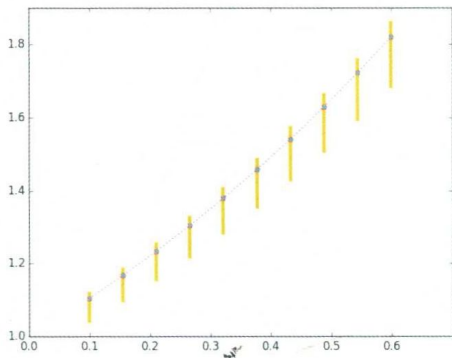


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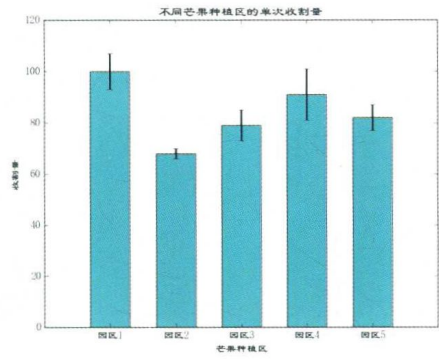


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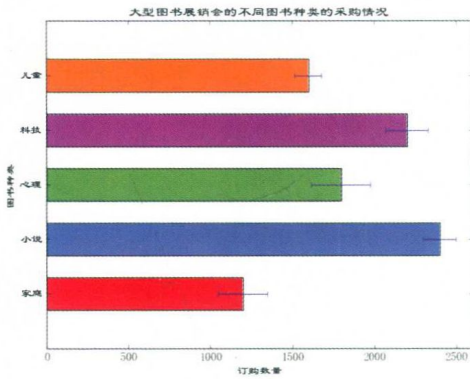


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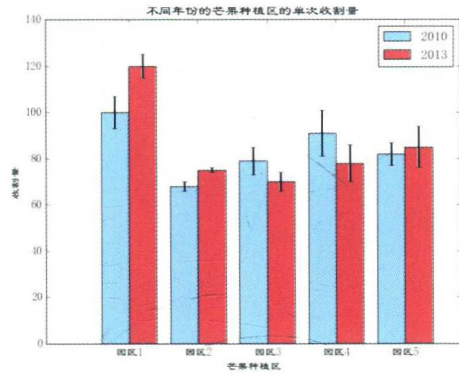


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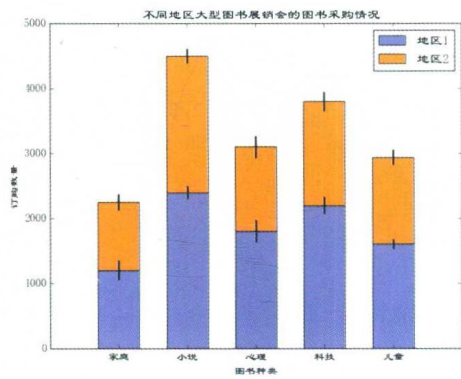


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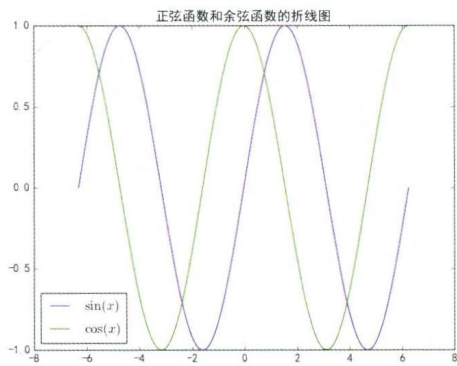


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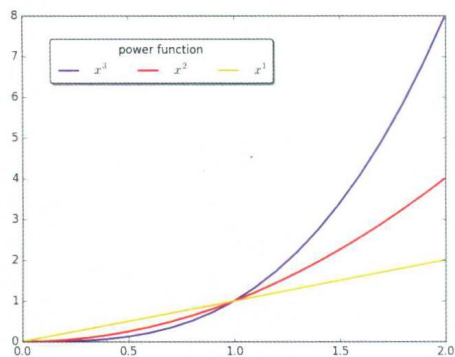


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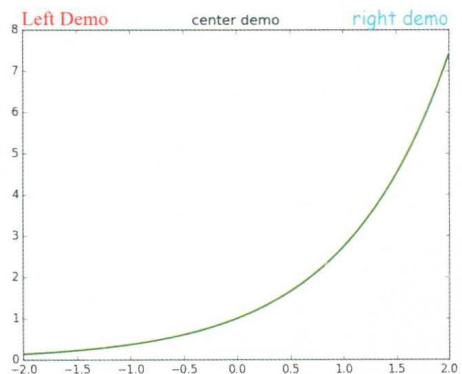


图 4.3

果酱面包配料比例表

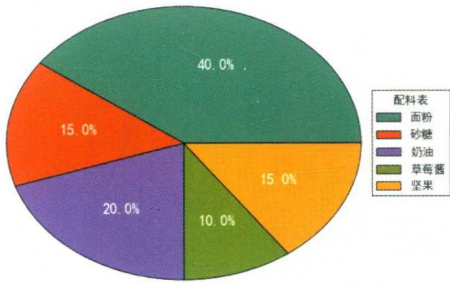


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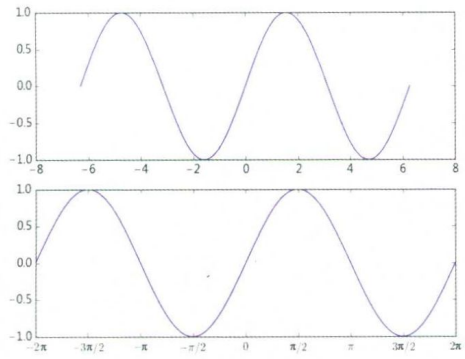


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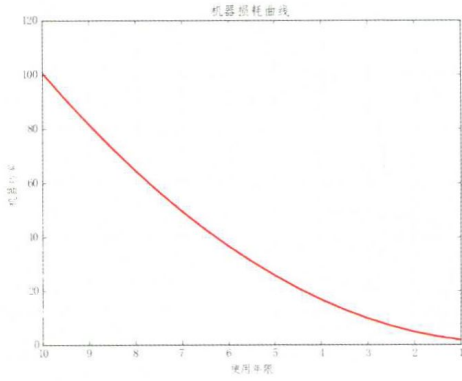


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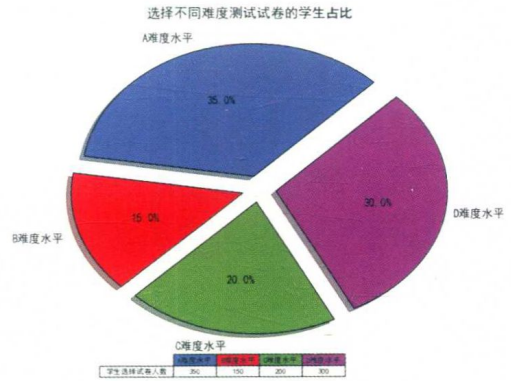


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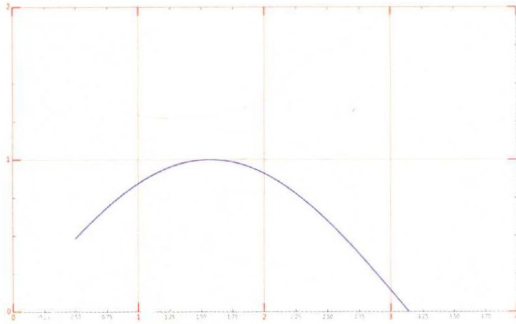


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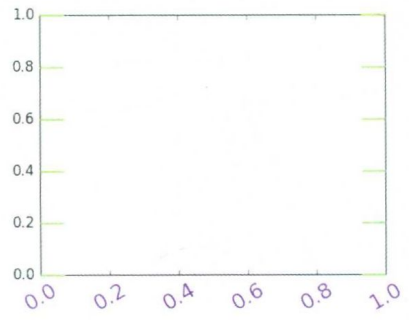


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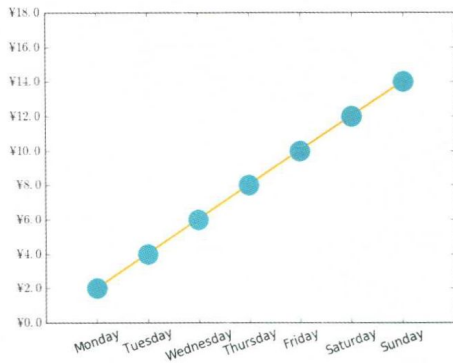


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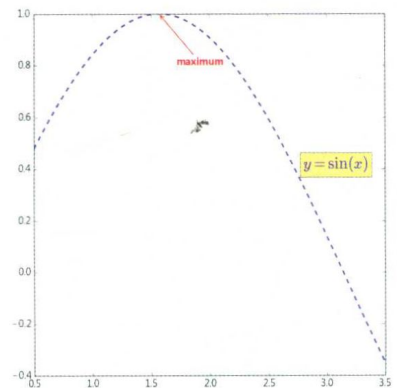


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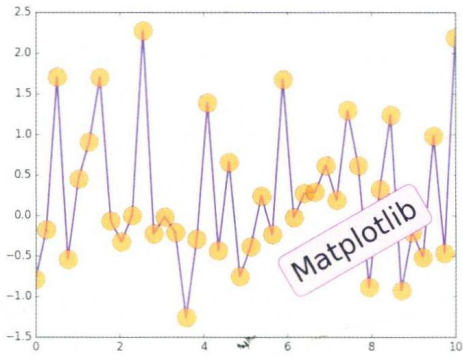


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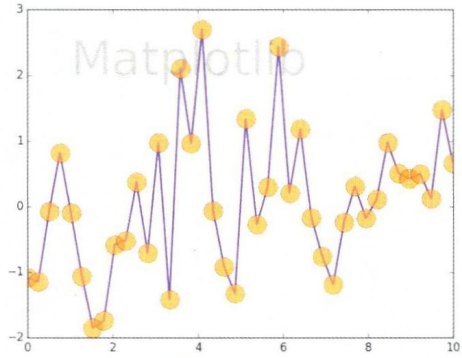


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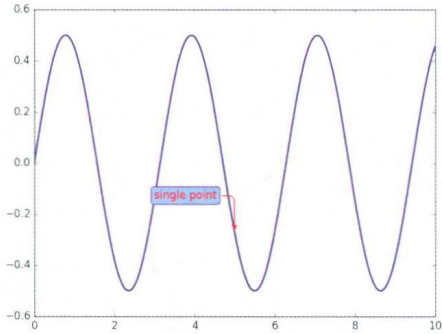


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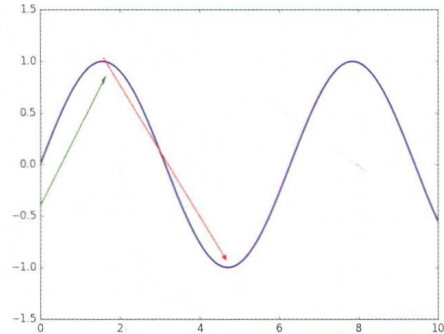


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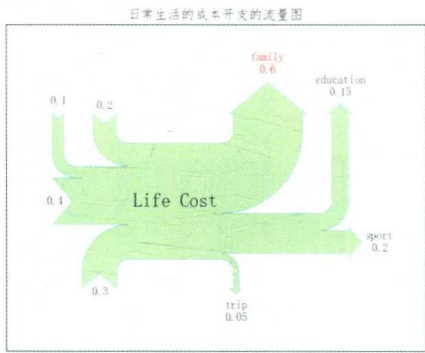


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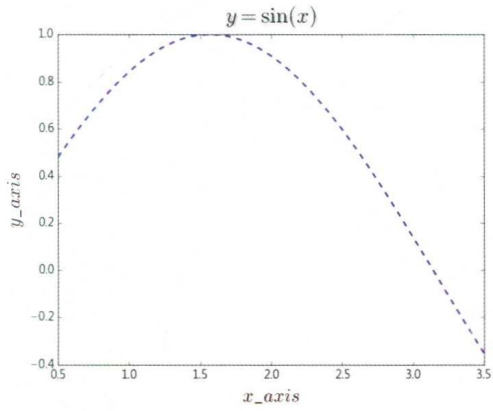


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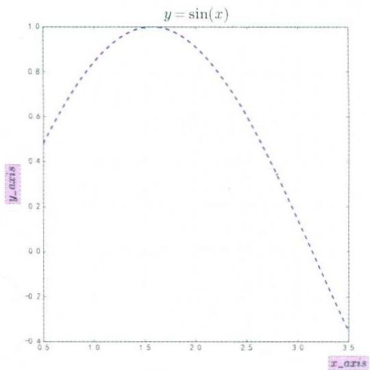


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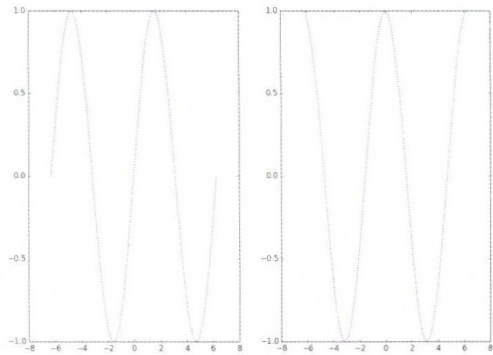


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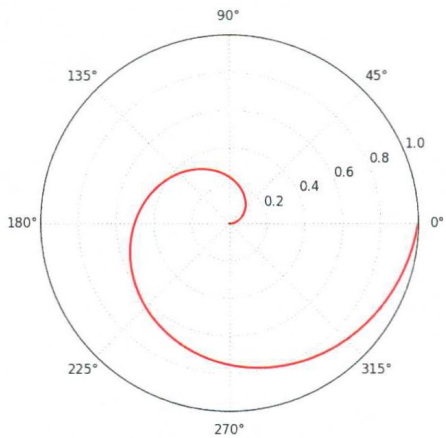


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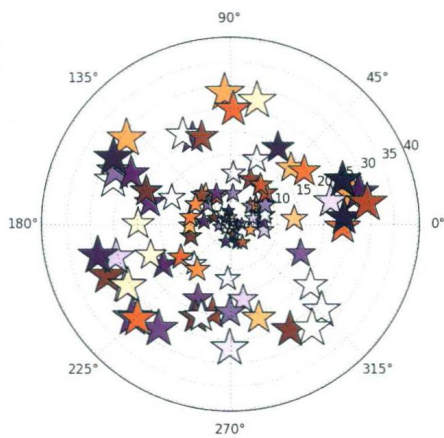


图 6.3

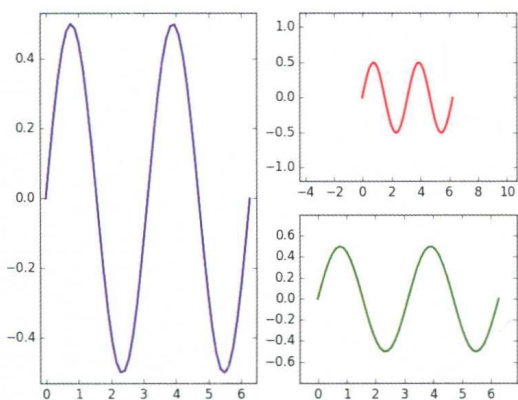


图 6.4

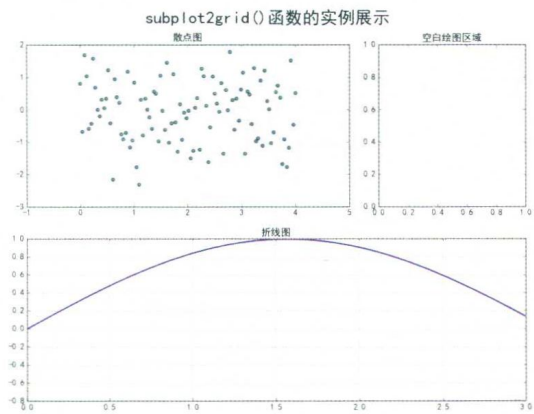


图 6.5

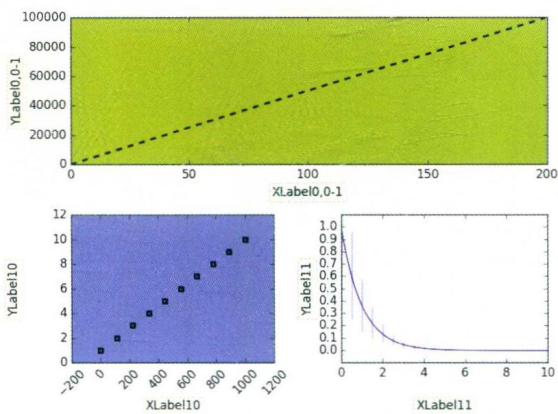


图 6.6

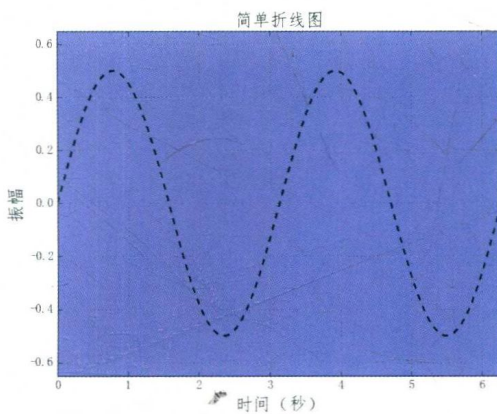


图 6.7

创建一张画布和两个子区的绘图模式
折线图

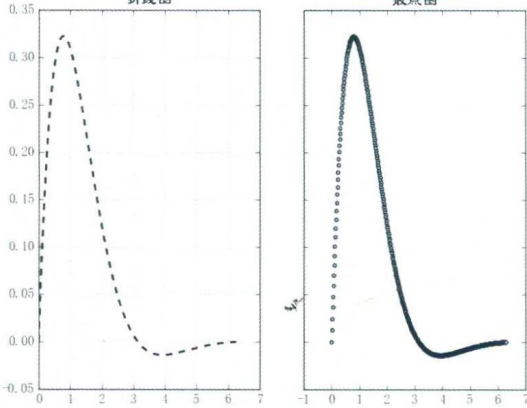


图 6.8

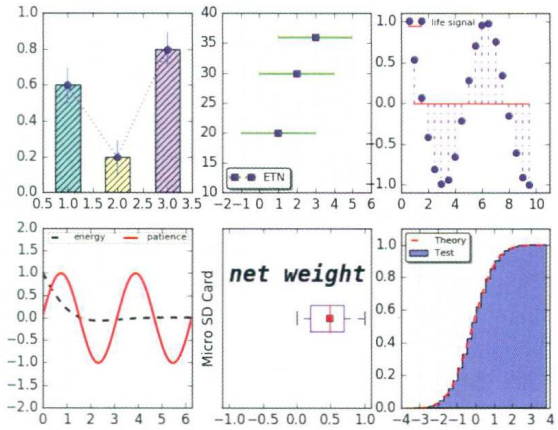


图 6.9

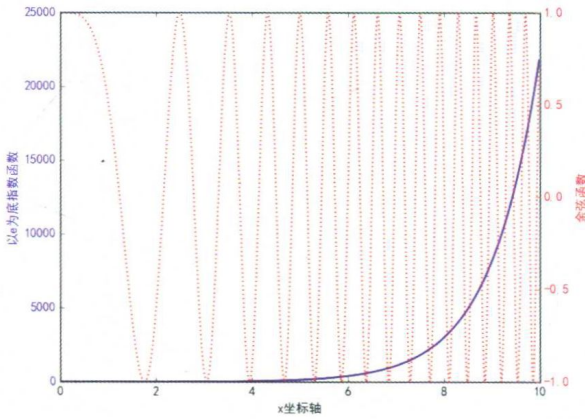


图 7.1

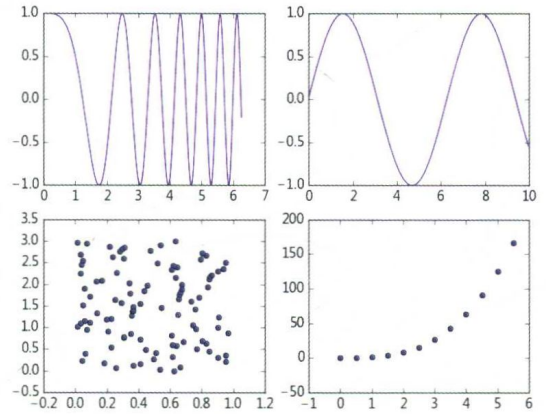


图 7.2

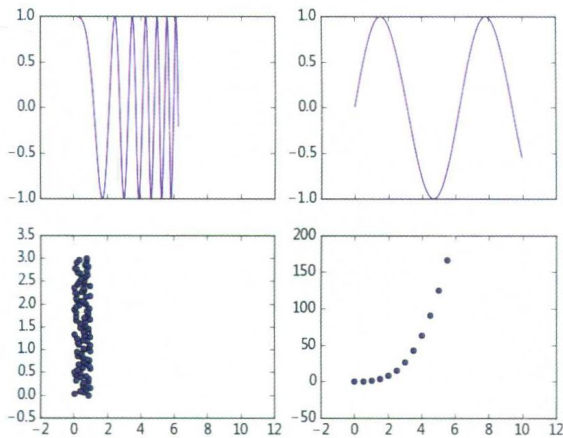


图 7.3

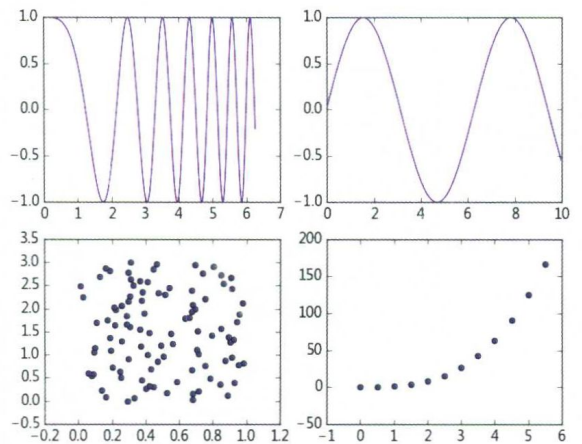


图 7.4

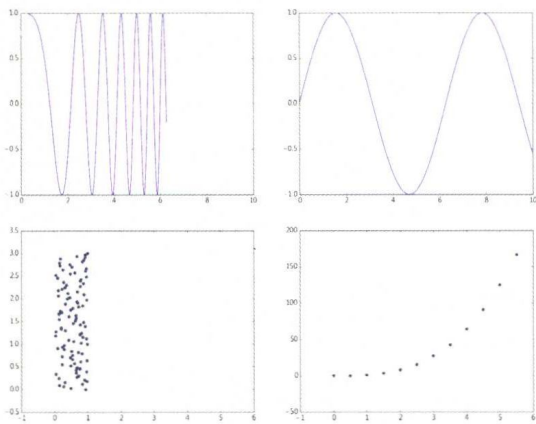


图 7.5

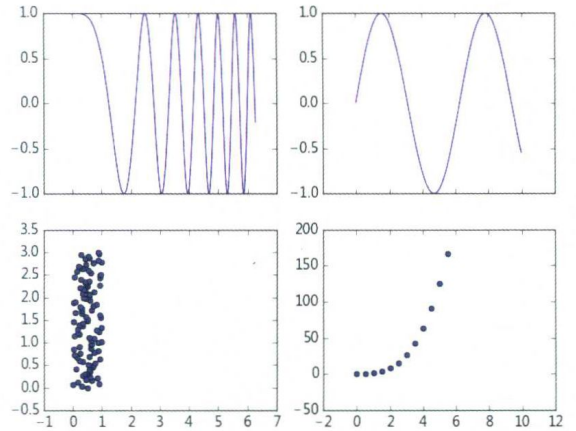


图 7.6

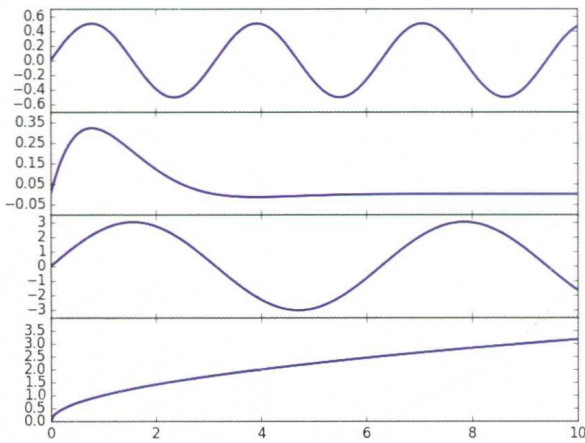


图 7.7

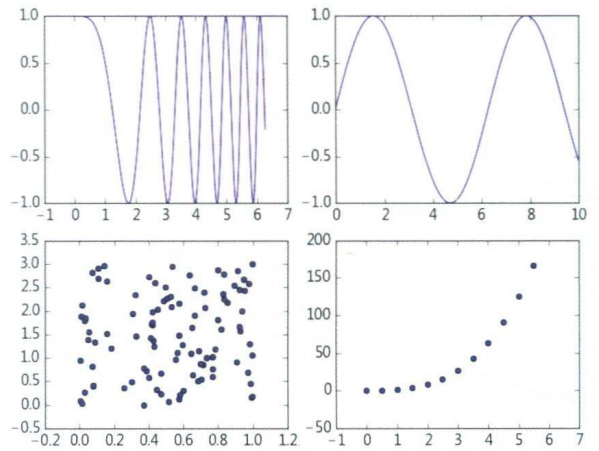


图 7.8

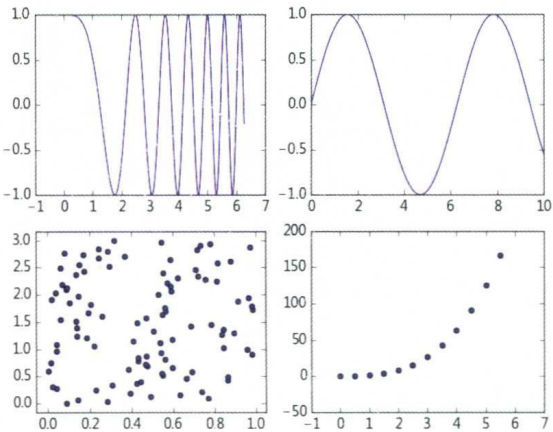


图 7.9

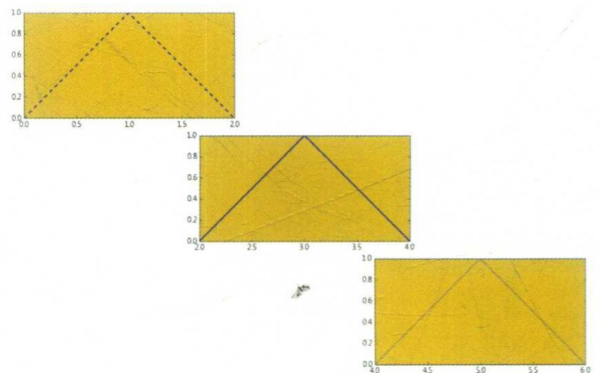


图 8.1