



AniPython

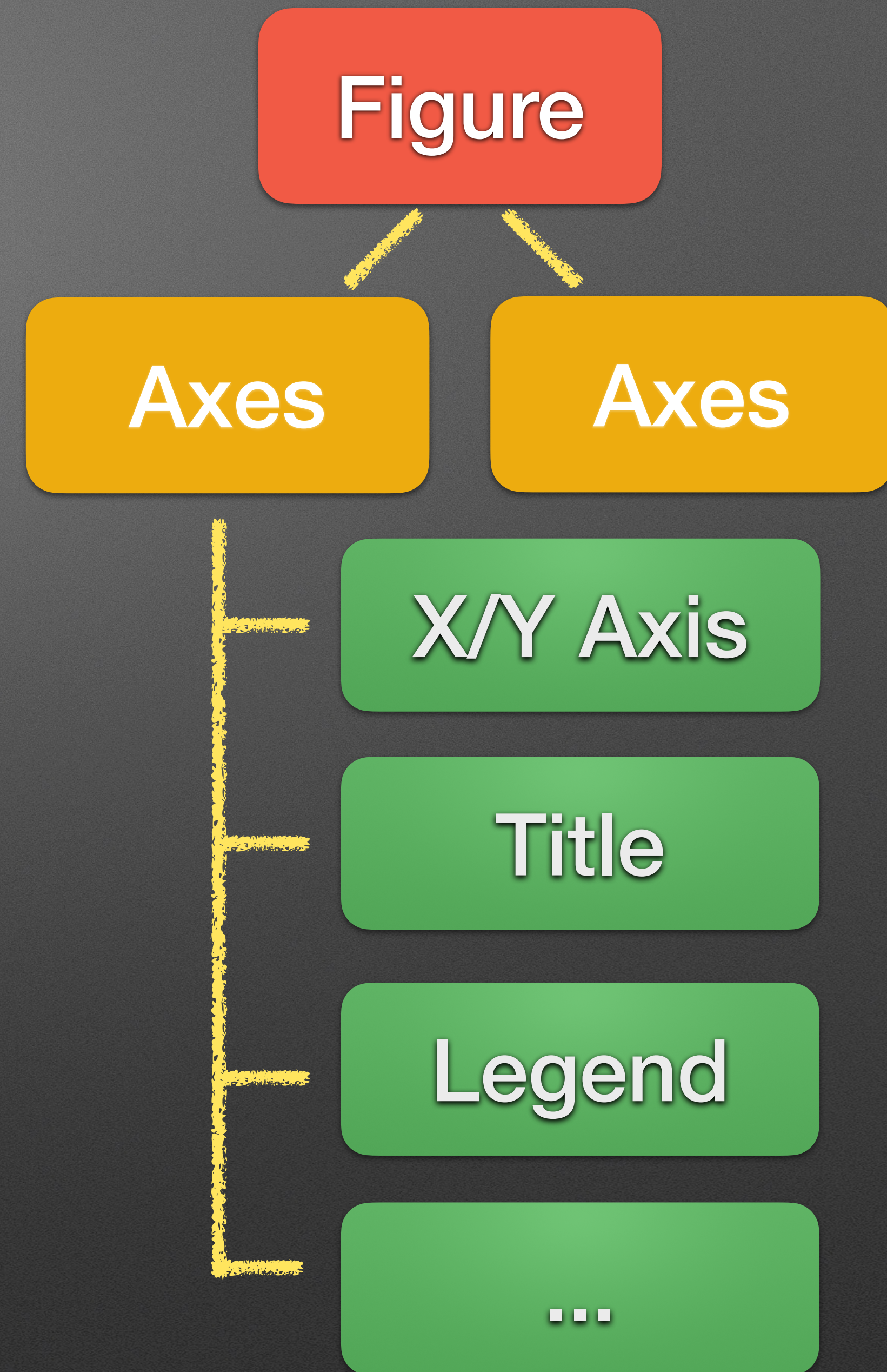
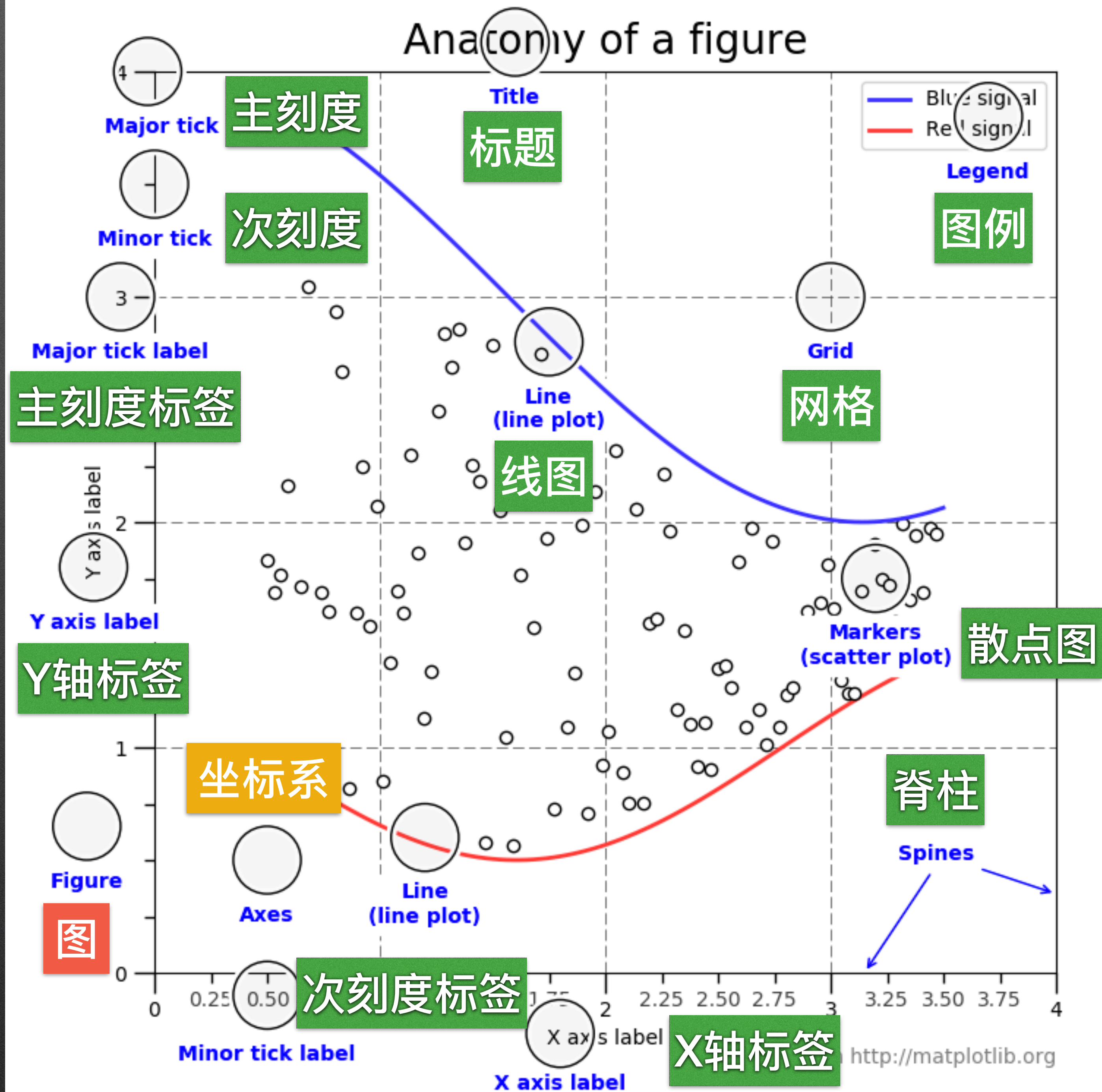
matplotlib.pyplot()



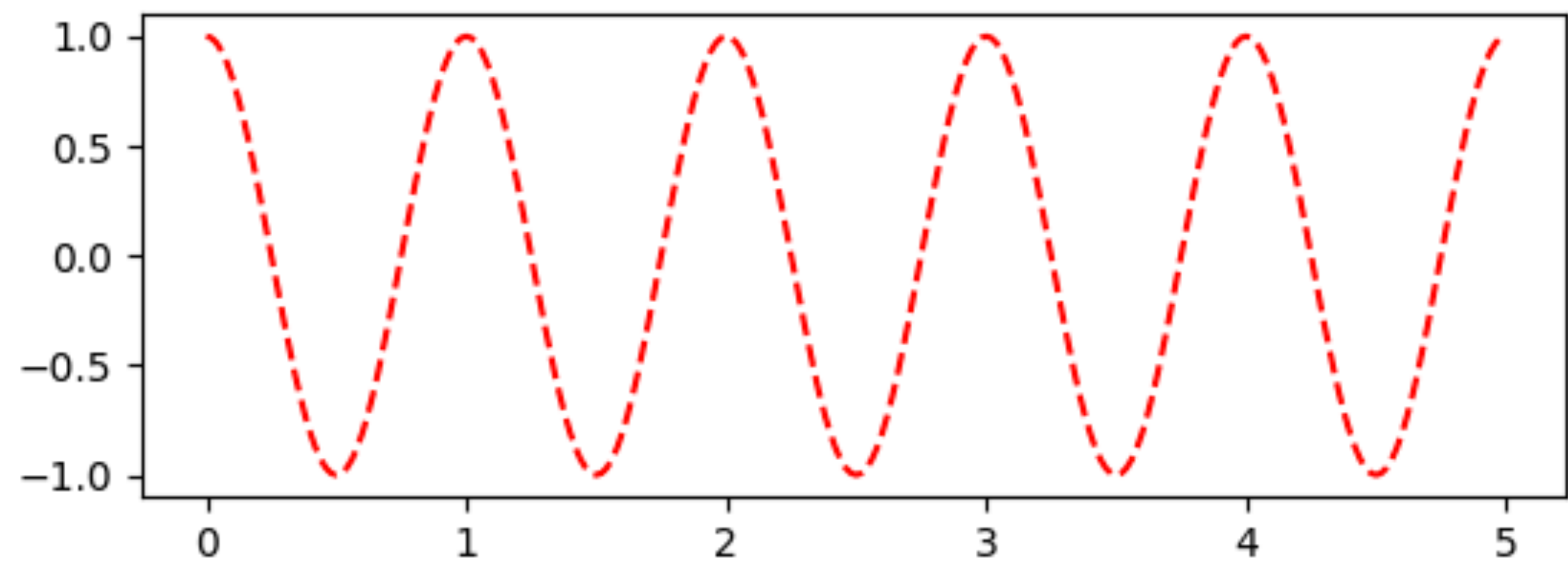
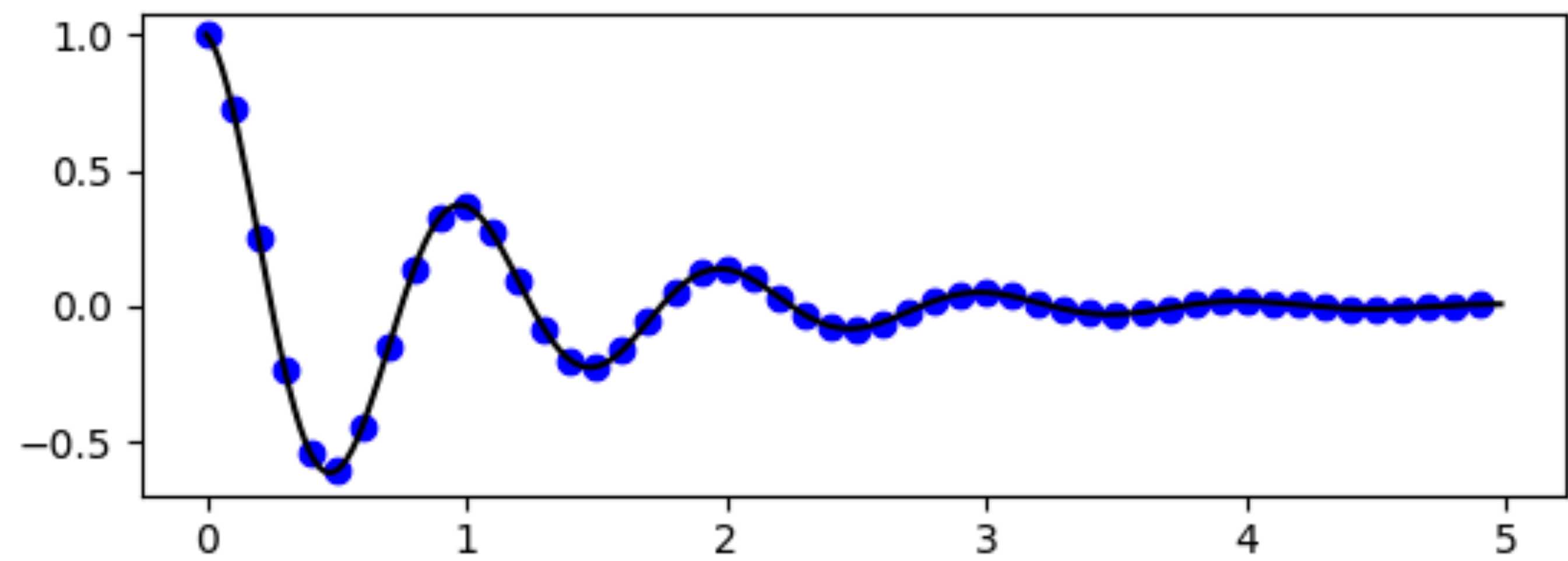
```
pip install matplotlib
```

<https://matplotlib.org/>



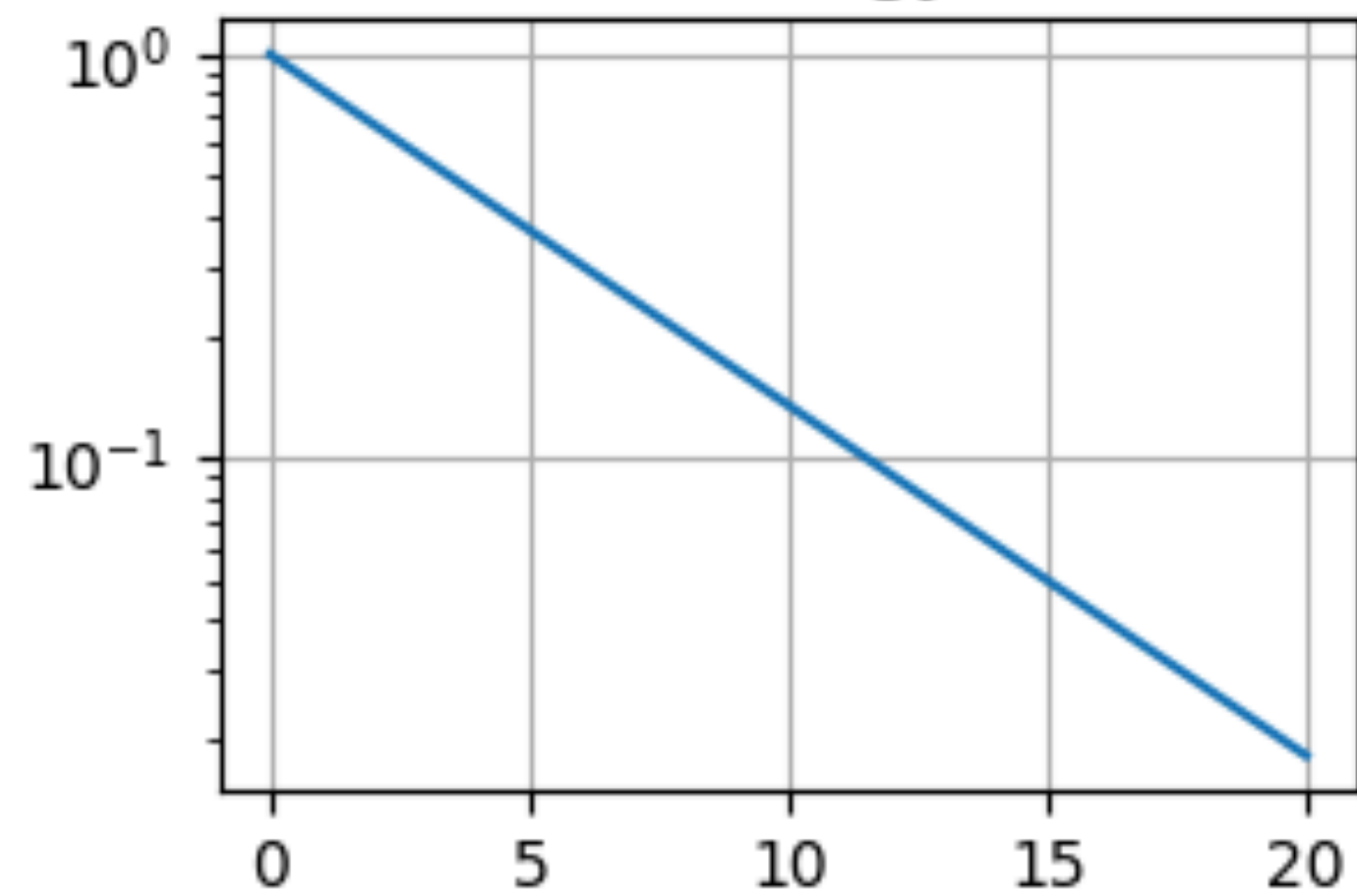




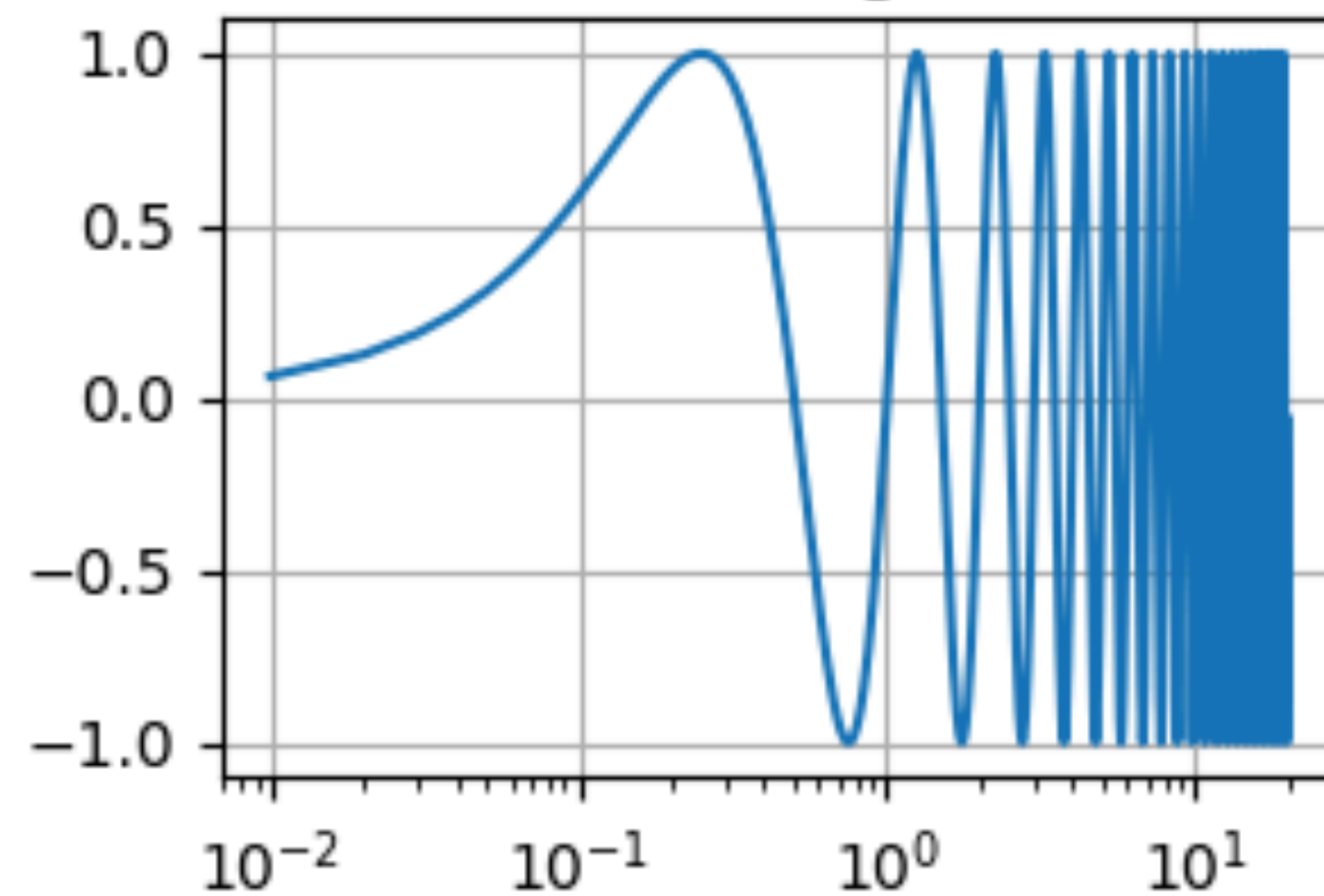




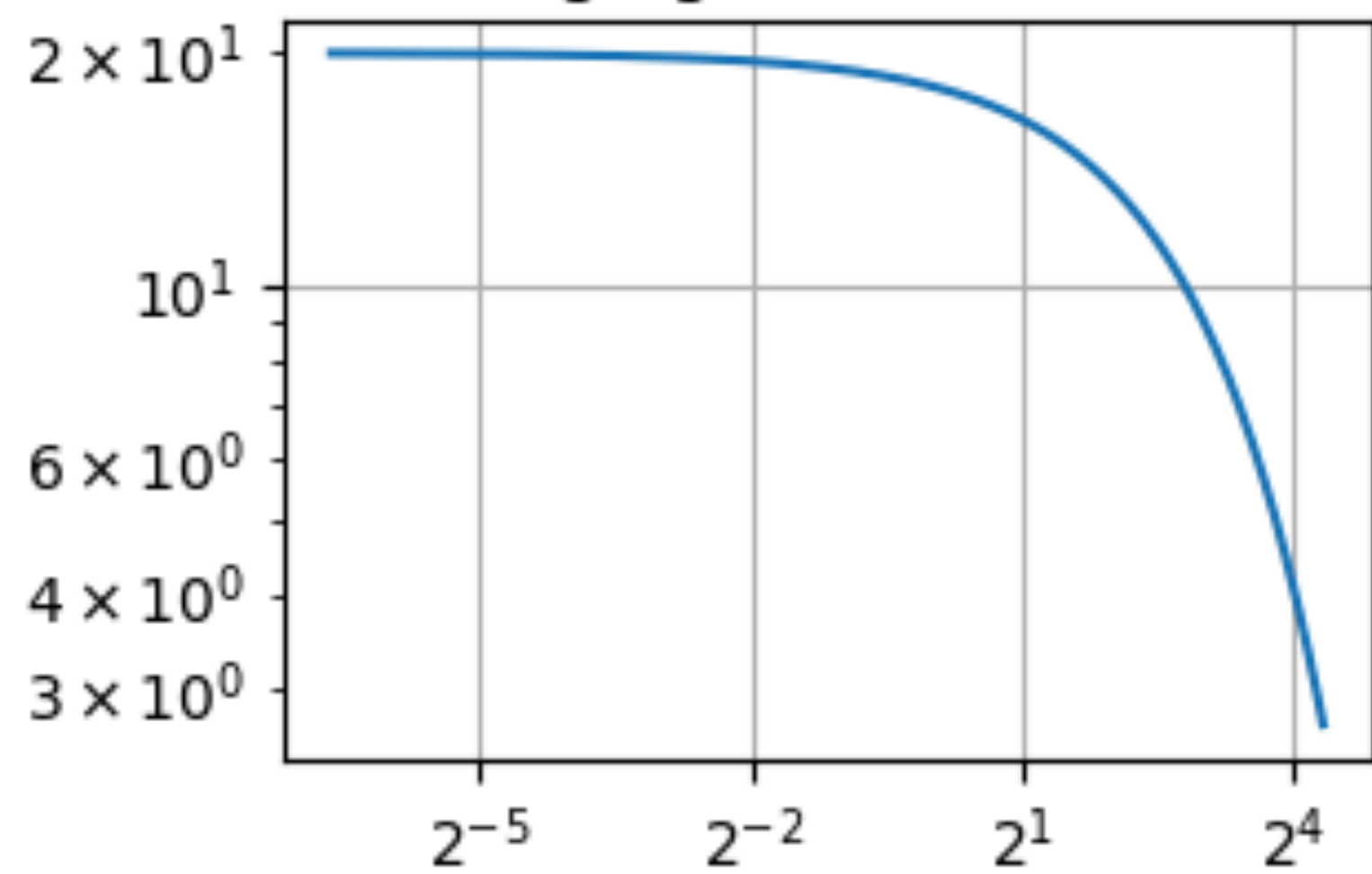
semilogy



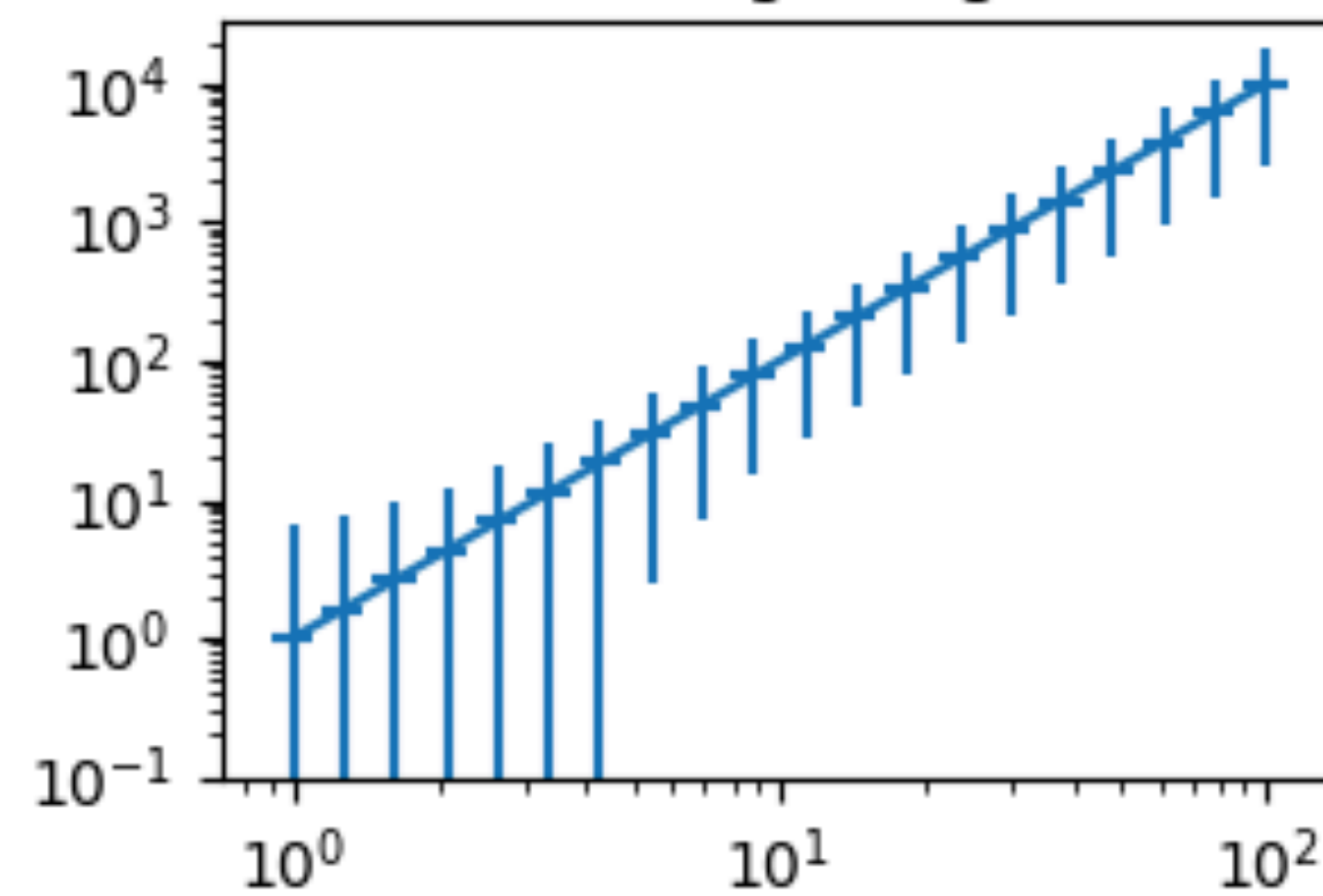
semilogx



loglog base 2 on x



Errorbars go negative





# 第1步: 导入模块

```
import matplotlib.pyplot as plt
```

# 第2步: 设置风格

```
plt.style.use('seaborn-white') # 查看: plt.style.available
```

# 第3步: 中文显示问题

```
plt.rcParams['font.sans-serif'] = ['Hiragino Sans GB'] # mac
```

```
plt.rcParams['font.sans-serif'] = ['SimHei'] # win
```

```
plt.rcParams['axes.unicode_minus'] = False
```

# 第4步: 绘图

# pyplot-style

```
plt.plot(x, y)
```

# 调整格式

# OO-style

```
fig, ax = plt.subplots()
```

```
ax.plot(x, y)
```

# 调整格式

# 第5步: 显示 / 保存图片

```
plt.show() / plt.savefig('x.png')
```