图像

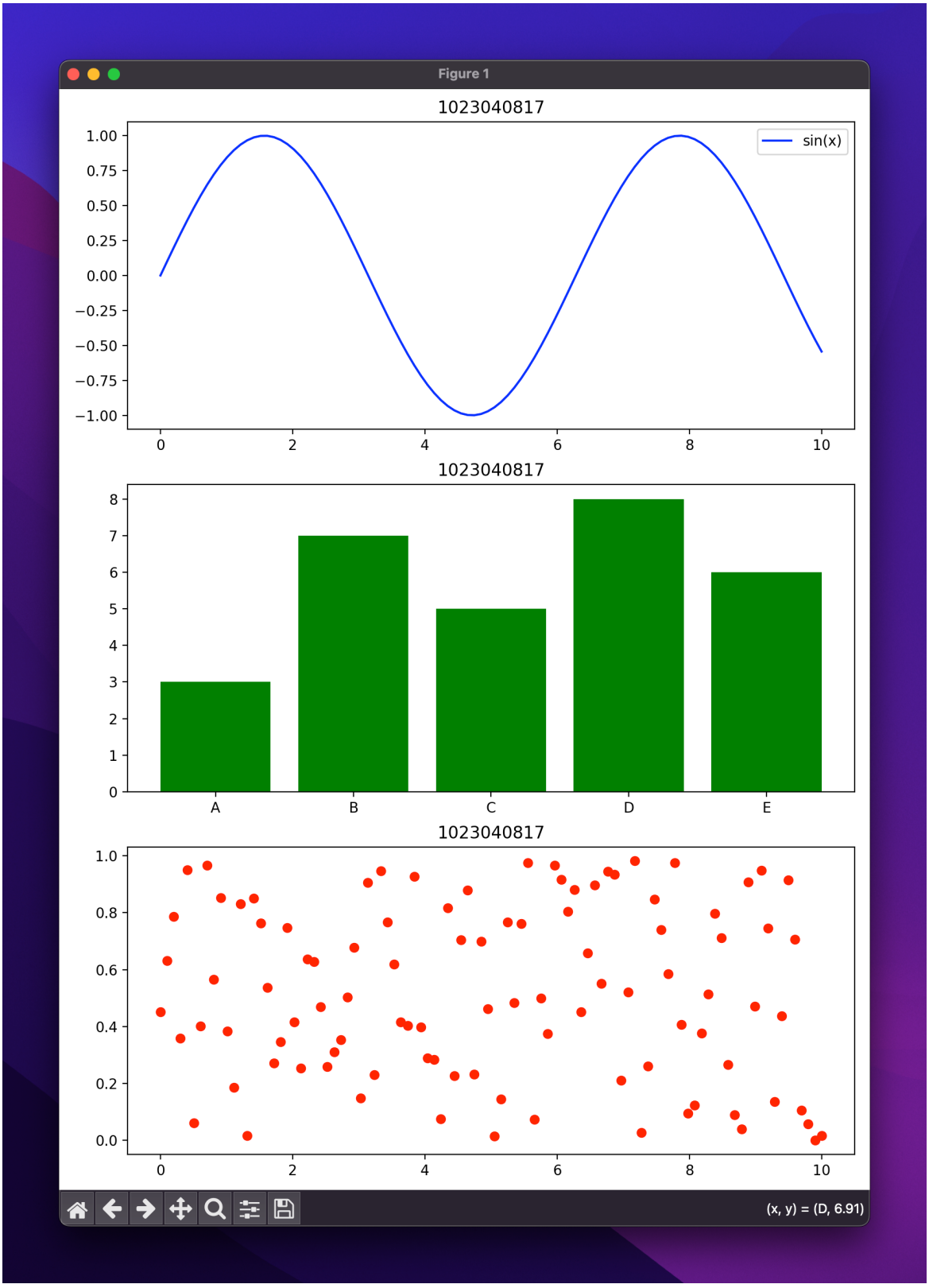
Figure 1
1023040817
sin(x)
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
0
2
4
6
8
10
1023040817
8
7
6
5
4
3
2
1
0
A
B
C
D
E
1023040817
1.0
0.8
0.6
0.4
0.2
0.0
0
2
4
6
8
10
(x, y) = (D, 6.91)

代码

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

# 生成一些数据
x = np.linspace(0, 10, 100)
y1 = np.sin(x)
y2 = np.cos(x)
y3 = np.random.rand(100)

fig, axs = plt.subplots(3, 1, figsize=(8, 12))

# 绘制折线图
axs[0].plot(x, y1, label='sin(x)', color='blue')
axs[0].set_title('1023040817')
axs[0].legend()

# 绘制柱状图
bars = ['A', 'B', 'C', 'D', 'E']
heights = [3, 7, 5, 8, 6]
axs[1].bar(bars, heights, color='green')
axs[1].set_title('1023040817')

# 绘制散点图
axs[2].scatter(x, y3, color='red')
axs[2].set_title('1023040817')

plt.tight_layout()

plt.show()
```