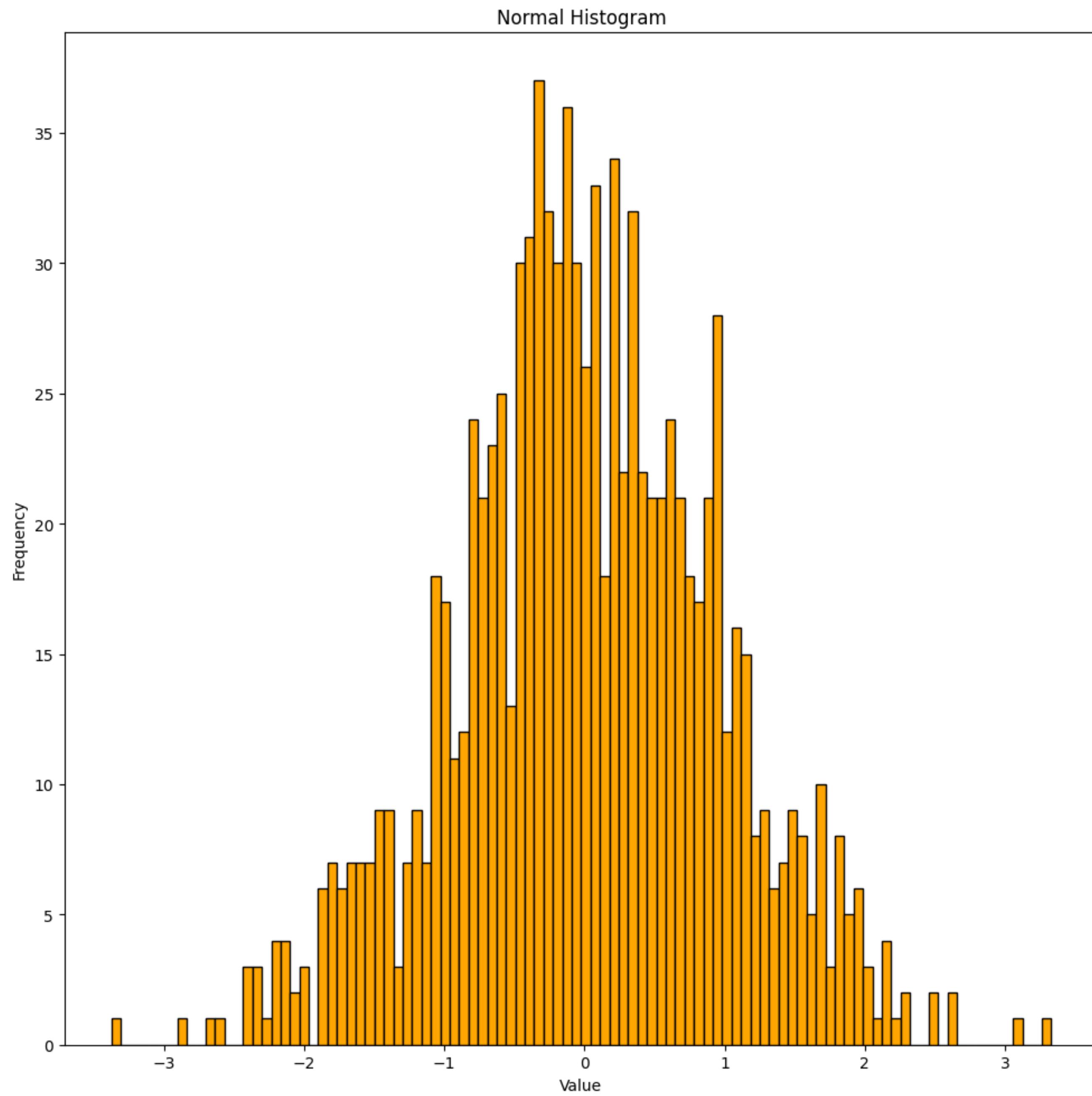


```
In [1]: import numpy as np  
import matplotlib.pyplot as plt
```

```
In [2]: data = np.random.normal(loc=0.0, scale=1.0, size=1000)
```

```
In [4]: plt.figure(figsize=(10,10))  
plt.hist(data, bins=100, color='orange', edgecolor='black')  
  
plt.xlabel('Value')  
plt.ylabel('Frequency')  
plt.title('Normal Histogram')  
  
plt.tight_layout()  
plt.savefig('normal_histogram.pdf')  
plt.show()
```



```
In [ ]:
```