

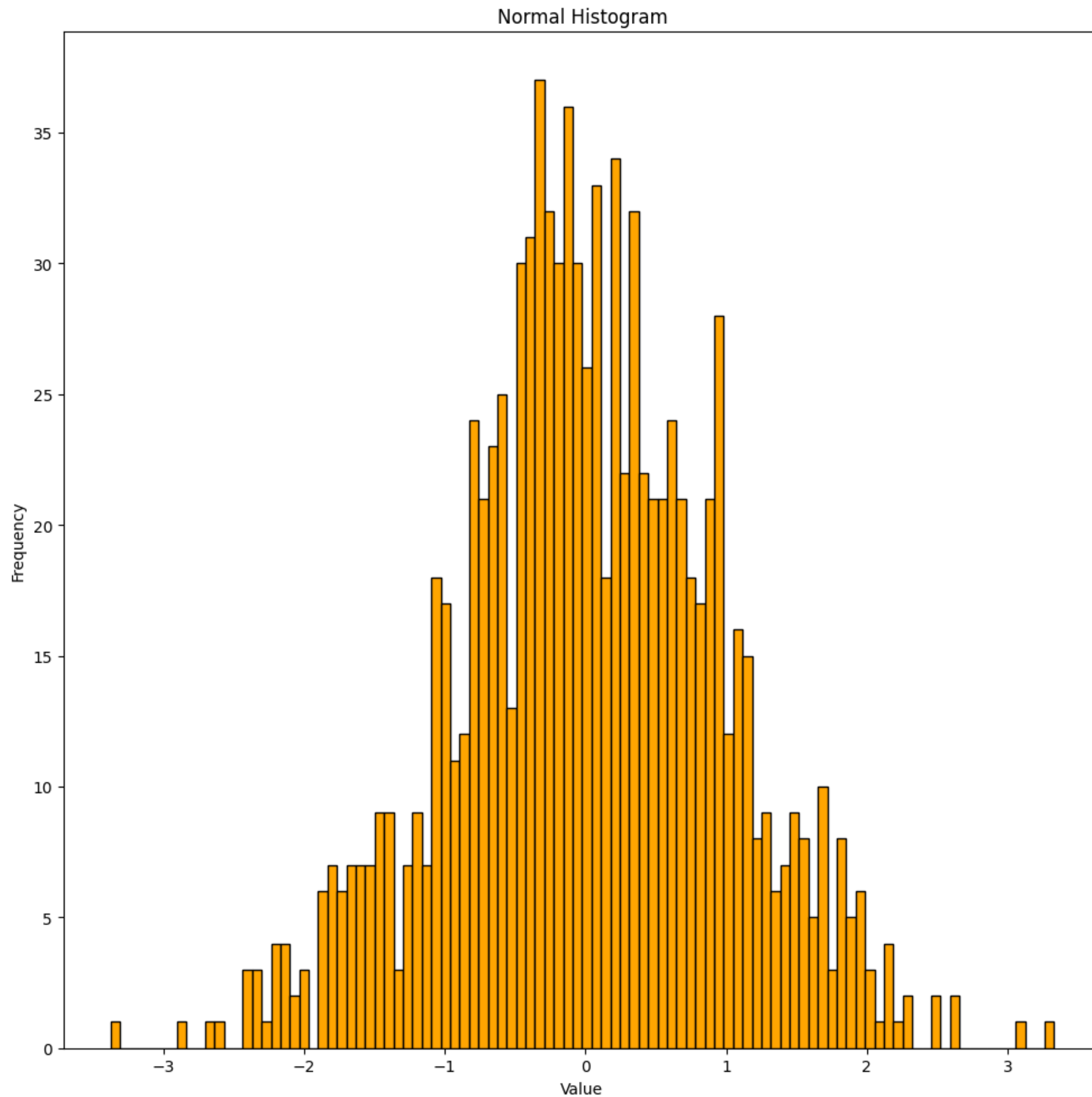
```
In [1]: import numpy as np
import matplotlib.pyplot as plt
```

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

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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()
```



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In [ ]:
```