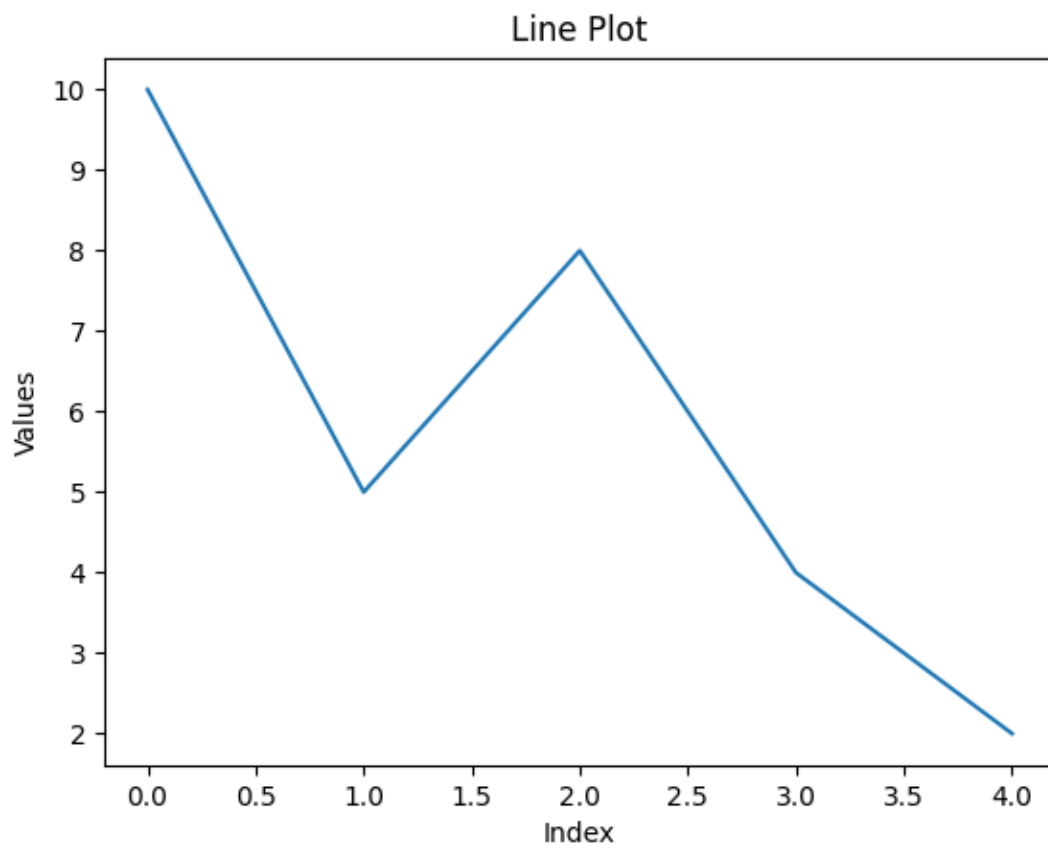# Line Plot

```python
from matplotlib import pyplot as plt

y = [10, 5, 8, 4, 2]
plt.plot(y)
plt.title("Line Plot")
plt.xlabel("Index")
plt.ylabel("Values")
plt.show()
```
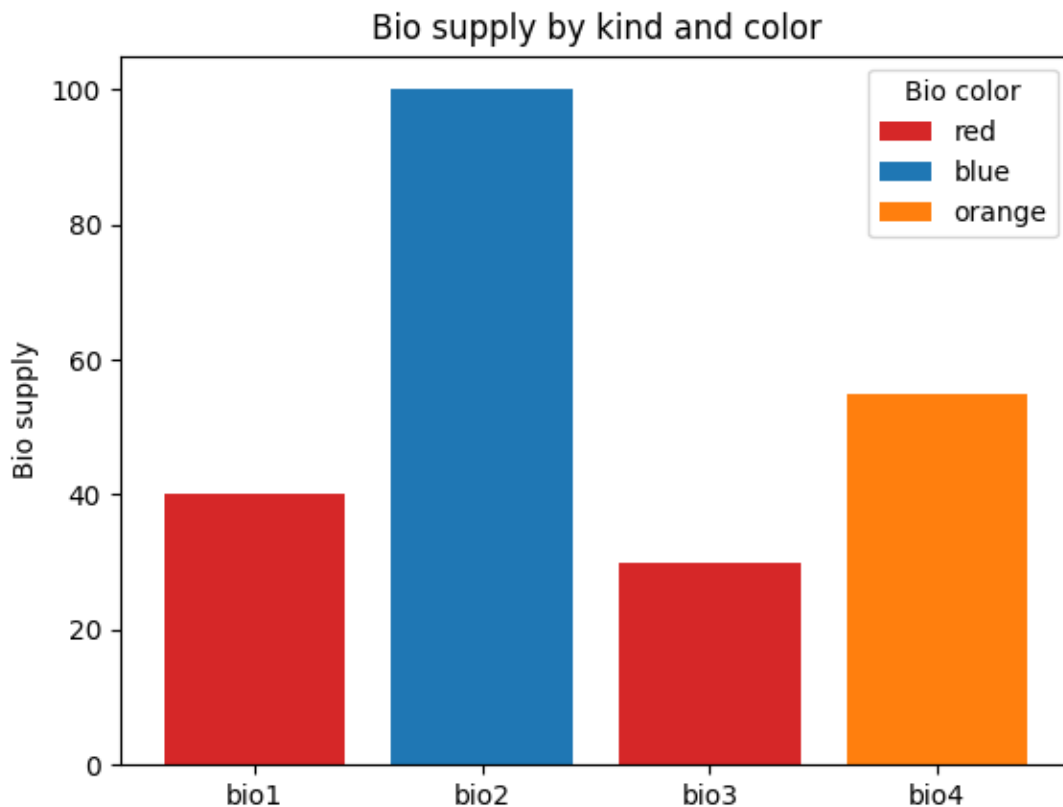
Bar Chart

```python
import matplotlib.pyplot as plt

fig, ax = plt.subplots()
fruits = ['bio1', 'bio2', 'bio3', 'bio4']
counts = [40, 100, 30, 55]
bar_labels = ['red', 'blue', '_red', 'orange']
bar_colors = ['tab:red', 'tab:blue', 'tab:red', 'tab:orange']

ax.bar(fruits, counts, label=bar_labels, color=bar_colors)
ax.set_ylabel('Bio supply')
ax.set_title('Bio supply by kind and color')
ax.legend(title='Bio color')

plt.show()
```
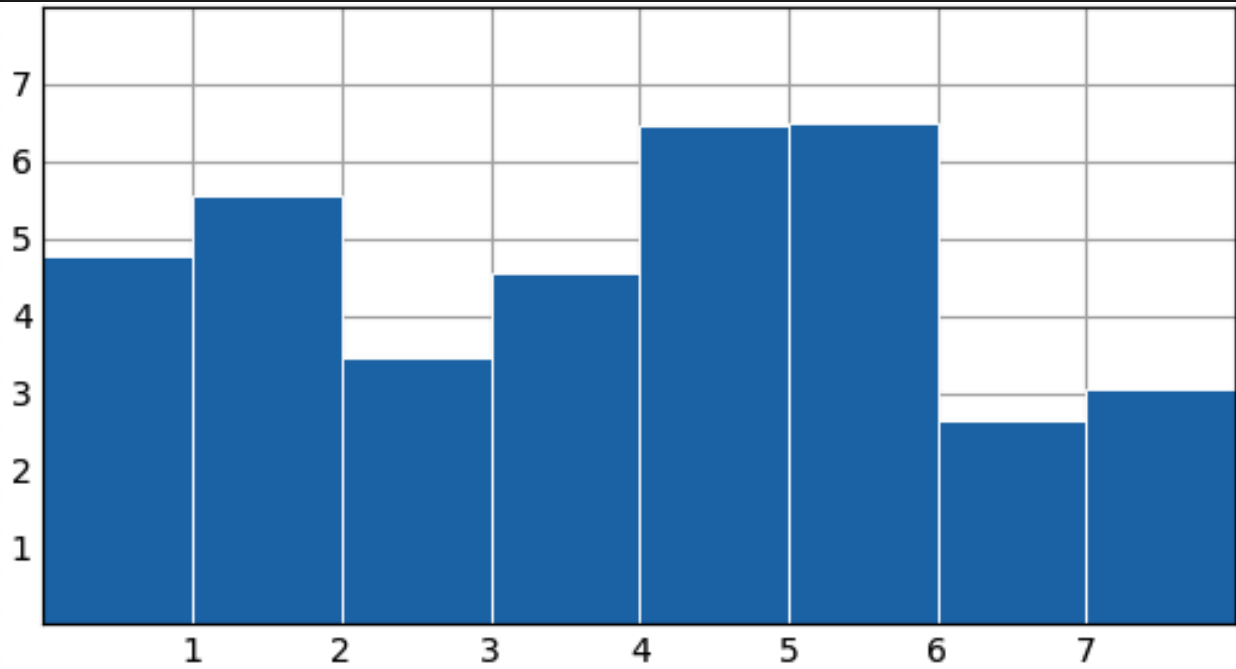
Column Chart with Random Data

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

plt.style.use('_mpl-gallery')

np.random.seed(3)
x = 0.5 + np.arange(8)
y = np.random.uniform(2, 7, len(x))

fig, ax = plt.subplots()
ax.bar(x, y, width=1, edgecolor="white", linewidth=0.7)
ax.set(xlim=(0, 8), xticks=np.arange(1, 8), ylim=(0, 8), yticks=np.arange(1, 8))

plt.show()
```
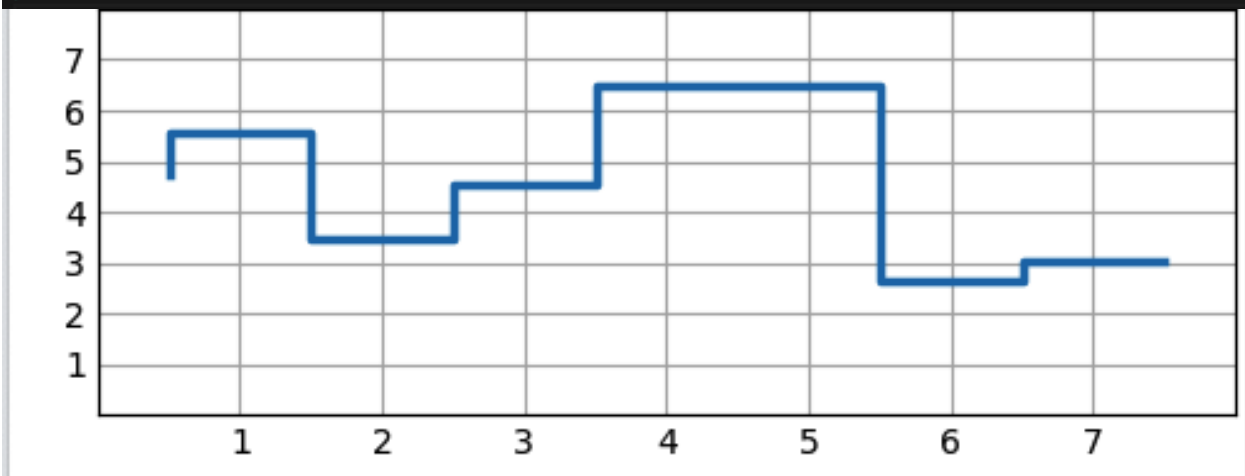
Step Chart Plot

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

plt.style.use('_mpl-gallery')

np.random.seed(3)
x = 0.5 + np.arange(8)
y = np.random.uniform(2, 7, len(x))

fig, ax = plt.subplots()
ax.step(x, y, linewidth=2.5)
ax.set(xlim=(0, 8), xticks=np.arange(1, 8), ylim=(0, 8), yticks=np.arange(1, 8))

plt.show()
```
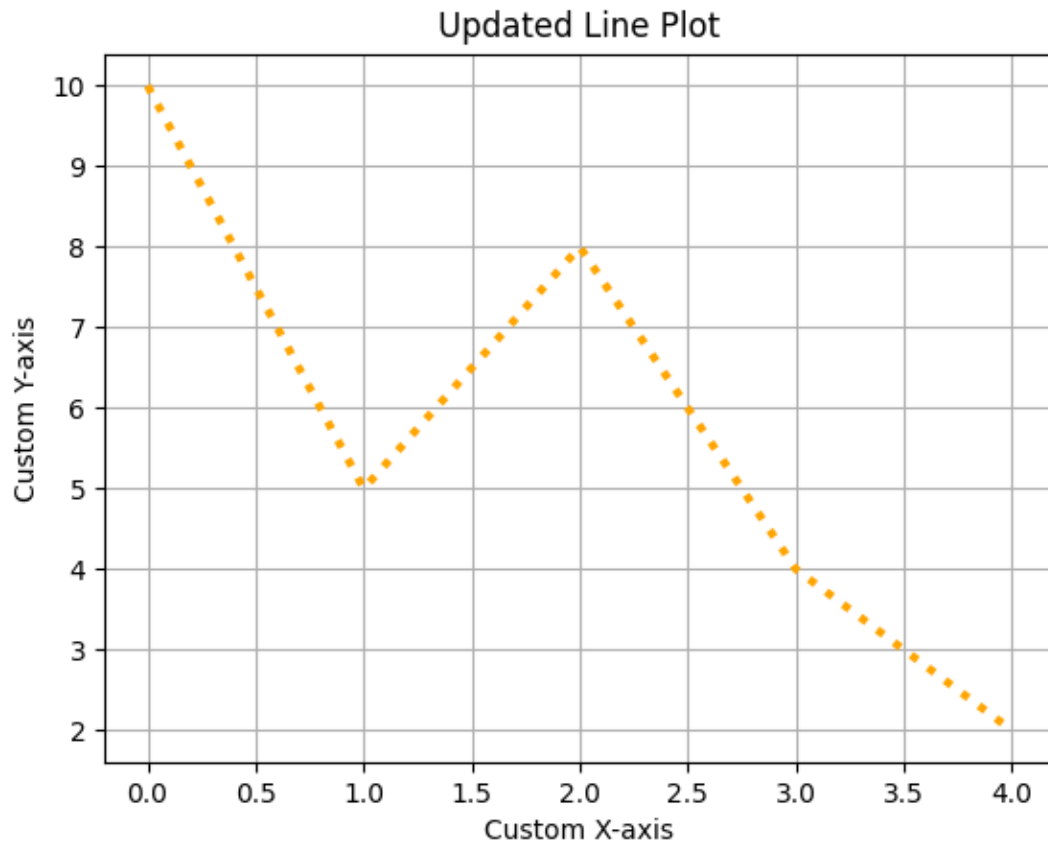
Modify One Plot

```python
from matplotlib import pyplot as plt

y = [10, 5, 8, 4, 2]
plt.plot(y, color='orange', linestyle='dotted', linewidth=3)
plt.title("Updated Line Plot")
plt.xlabel("Custom X-axis")
plt.ylabel("Custom Y-axis")
plt.grid(True)
plt.show()

# I modified Code 1 by changing the line color to orange, using a dotted line style, adding a title and axis labels, and turning on the grid.
```


I modified Code 1 by changing the line color to orange, using a dotted line style, adding a title and axis labels, and turning on the grid.